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Minimum DB
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length: 2000000000
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Listing first 45 summaries
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Copyright (c) 1993 - 2000 Comp
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BF920141 MR1-NUT017
BF958934 PM1-NU120
AW901233 CM4-NU101
D45267 HJMHG1194 H
BF846357 PM1-EN006
R47195 CBS-389 Sub
BE766895 RC2-NUT011
AL048592 DKEZp586H
BI033792 MR4-NU018
BF958930 PM1-NU120
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AA31824/ EST20305 BF949666 QV2-NN119	ω	BF947214 MR3-NN021	MR4	PM1	MR3	BF956582 PM1-NN120	BF948799 MR3-NN021	MR.	BF961152 PM1-NN120	BE899032 601682590	BF947155 MR3-NN021	PM1	MR4	MR4	QV2	BF963107 PM1-NN120	BF923633 MR4-NT014	BF945175 PM1-NN120		BE766870 RC2-NT011	AA336628 EST41242	BG898974 HOA21-1-C	BF923639 MR4-NT014	BF948789 MR3-NN021		AW161224 au70a10.y

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TITLE
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                                                                                                                                                                                                                   source
                                                                                                                                                                                                                                                                                                                                         Contact: Robert Strausberg, Ph.D.
Email: cgapbs r@mail.nih.gov
Tissue Procurement: Andrew Berchuck M.D., John Gillespie M.D.,
Michael R. Emmert Buck, M.D., Ph.D.
CDNA Library Preparation: David B. Krizman, Ph.D.
cDNA Library Prayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
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EST.
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Location/Qualifiers
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Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                              /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:2745288"
                           /tissue_type="papillary serous ovarian metastasis"
/lab_host="DH10B"
                                                                               /clone_lib="NCI_CGAP_Ov39"
/sex="female"
/note="Organ: ovary; Vector: pAMP10; cDNA made by oligo-dT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: asimpson@ludwig.org.br
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
Project. This entry can be seen in the following URL
Project. This entry can be seen in the following URL
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Seq_primer: puc 18 forward
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Simpson A.J.G.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Natl. Acad. Sci.
                                                                                         /note-"Organ: nervous_tumor; Vector: pucl8; Site_1: SmaI; Site_2: SmaI, A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         priming. Non-directionally cloned into the UDG sites of pAMPIO. Size-selected on agarose gel, average insert size 500 bp. Primary library; non-amplified. CDNA Library Preparation: David B. Krizman, Ph.D (NCI). Reference: Krizman et al. (1996) Cancer Research
                      tissue mRNA and cDNA amplification were performed low stringency conditions." 34\ c \qquad 20\ g \qquad 25\ t
                                                                                                                                                                                                              /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="NT0179"
/dev_stage="Adult"
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56:5380-5383."
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CAGCAGCAGAGTCTTCATCAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=PM1&t2=PM1-NN1200-
011200-009-b07&t3=2000-12-01&t4=1)
Seq.primer: puc 18 forward
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Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 and
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PM1-NN1200-011200-009-b07 NN1200 Homo sapiens cDNA,
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                                                                                            Similarity
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as Neto,E., Garcia Correa,R., Verjovski-Almeida,S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                       quality sequence start: 11 quality sequence stop: 101.
                                                                          Conservative
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                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="NN1200"
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Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R.,

Nagai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F.,

Goldman, G.H., Carvalho, A.F., Matsukuma, A., Baia, G.S., Simpson, D.H.,

Brunstein, A., deOliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare

,M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and
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                                                                                        D45267
HUMHG1194 Human cerebral
D45267
D45267.1 GI:1136645
                                                                          EST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=&t2=CM4-NN1011-100
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Mammalia; |
Eukaryota; Metazoa;
Mammalia; Eutheria;
                                     Homo sapiens
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Seq primer: puc 18 forward
High quality sequence start: 11
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Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
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/db_xref="taxon:9606"
/clone_lib="NN1011"
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96069586
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Takahashi,N., Hashida,H., Zhao,N., Misumi,Y. and Sakaki,Y.
High-density cDNA filter analysis of the expression profil
genes preferentially expressed in human brain
Gene 164, 219-227 (1995)
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Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R., Nagai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F., Goldman, G.H., Carvalho, A.F., Matsukuma, A., Bala, G.S., Simpson, D.H., Brunstein, A., deoliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare
                                                                                                                          Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=pMl&t2-PMl-EN0065-
231000-002-b01&t3=2000-10-23&t4=1)
Seq.primer: puc 18 forward
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Laboratory of Cancer Genetics
Ludwig Institute for Cancer Re
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Shirokanedi 4-6-1, N
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                                                                                                                                                                                                                                                                                                                                                                                                                     Simpson, A.J. Shotgun sequencing of the human transcriptome with ORF expressed
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                                                                                                                                                                                                                                           Fax: +55-11-2707001
                                                                                                                                                                                                                                                            Tel: +55-11-2704922
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                                                                                                                                                                                                                                                                                                                                                                                                         sequence tags
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                           quality sequence stop: 110.
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/clone_lib="Human cerebral cortex"
/note="Adult male cerebral cortex tissue.
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="EN0065"
/dev_stage="Adult"
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Escribano, J., Ortego, J. and Coca-Prados, M.
Escribano, J., Ortego, J. and Coca-Prados, M.
Isolation and characterization of cell specific cDNA clones from a subtractive library of the ocular ciliary body of a single normal human donor: Transcription and synthesis of plasma proteins J. Biochem. (Tokyo) 118 (5), 921-931 (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tel: 2037852742
Fax: 2037856123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Department of Ophthalmology and Visual Science Yale University Medical School 330 Cedar Street, New Haven, CT 06520-8061 Tel: 2037852742
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R47195.1 GI:807537
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                              /clone_lib="Subtractive cDNA library ocular ciliary body" /note="Vector: pBluescript II SK; Site_1: EcoRI; Site_2: XhoI; A subtractive cDNA library was developed by hybridizing antisense, single-stranded phagemid DNA (ssDNA) (as pBluescript SK-) from the ocular ciliary body cDNA library (target) of a 34-year-old female donor in lambda-Un1-ZAP xR with biotinylated sense RNA of an ocular cell line cDNA library (driver) in the same vector."
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/db_xref="taxon:9606"
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DKFZp586H092_r1 586 (synonym: DKFZp586H092, mXNA sequence. AL048592.1 GI:4729143
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600-013-f03&t3=2000-06-05&t4=1)
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Project. This entry can be seen
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Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
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1 (bases 1 to 169)
Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S.,
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              Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
                                                                                                                                                      Dias Neto,E., García Correa,R., Verjovski-Almeida,S., Briones,M.R., Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F., Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H., Brunstein,A., deOliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Poustka, A., Klein, M., FST (Poustka, et al.)
                                                                                                                      Shotgun sequencing of the human transcriptome with
                                                                                                                                                                                                                                                                                                                                       EST
                                                                                                                                                                                                                                                                                                                                                                                       BI032792 183 bp mRNA linear MR4-NN0188-220101-204-e01 NN0188 Homo sapiens cDNA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    No sl sequence available.
This clone (DKFZp586H992) is available at the RZPD in Berlin Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 140 Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sequenced by DKFZ (German Cancer Research Center,
Heidelberg/Germany) within the cDNA sequencing consortium of the
German Genome Project.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: poustka@mpimg-berlin-dahlem.mpg.de
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz- heidelberg.de;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Poustka A.J.
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Eukaryota; Metazoa;
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1 to 177)
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/clone_lib="586 (synonym: hute1)"
/tissue_type="uterus"
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/lab_host="DH10B"
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/db_xref="taxon:9606"
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Prudente 109,
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RESULT 11
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This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=mR4&t2=mR4-NN0188-220101-204-e01&t3=2001-01-22&t4=1)
                                                                               Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=PM1&t2=PM1-NN1200-
                                                                                                                                                                                                                                                                                                                                                                                                                               Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F., Goldman,G.H., Carvalho,A.F., Matsukuma,A., Bala,G.S., Simpson,D.H., Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
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BF958930.1
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Seq primer: puc 18 forward
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Laboratory of Cancer Genetics
T-atitute for Cancer Research
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PMI-NNI200-011200-009-g08 NNI200 Homo sapiens cDNA,
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                                                                                                                                                                                                                                                                                                   Contact: Simpson A.J.G.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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as Neto, E., Garcia Correa, R., Verjovski-Almeida, S.,
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/note="Organ: nervous_normal; Vector: puc18; Site_1: SmaI;
/note="Organ: nervous_normal; Vector: puc18; Site_1: SmaI;
Site_2: SmaI; A mini-library was made by cloning products
derived from ORESTES PCR (U.S. Letters Patent application
No. 196,716 - Ludwig Institute for Cancer Research)
profiles into the pUC 18 vector. Reverse transcription of
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/db_xref="taxon:9606"
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sequence stop: 184
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Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar,
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Fax: +55-11-2707001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
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                                                                                                                                                                                                                                                                                                                                     Email: asimpson@ludwig.org.br
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (bases 1 to 185)
                                                                                                                                                                                                                                       primer: puc 18 forward
                                                                                                                                                                          quality sequence start: 17 quality sequence stop: 134 Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inote="Organ: nervous_normal; Vector: puc18; Site_1: SmaI; Site_2: SmaI; A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."
note="Organ: nervous_tumor; Vector: puc18; Site_1: SmaI;
Site_2: SmaI; A mini-library was made by cloning products
derived from ORESTES PCR (U.S. Letters Patent application
No. 196,716 - Ludwig Institute for Cancer Research)
                                                                                                 /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="NT0140"
                                                                                 /dev_stage="Adult"
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Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CDNA Library Preparation: M. Bento Soares, Ph.D.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image/html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Michael J. Brownstein, M.D.,
Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ו (Dases ביי ביי)
NCI-CGAP http://www.ncbi.nlm.nlh.gov/nclcgap.
CGAP),
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1 (bases 1 to 196)
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                                                                                                    /dev_stage="adult"
//dev_stage="adult"
//dev_stage="bH10B"
//lab_host="DH10B"
//note="Organ: prostate; Vector: pT7T3D-Pac (Pharmacia)
//note="Organ: prostate; Vector: pT7T3D-Pac (Pharmacia)
//note="Organ: prostate; Plasmid DNA from the
normalized library NCI_CGAP_Pr22 was prepared, and ss
circles were made in vitro. Following HAP purification,
this DNA was used as tracer in a subtractive hybridization
reaction. The driver was PCR-mapplified cDNAs from a pool
of 5,000 clones made from the same library (cloneIDs
985608-986759, l101192-1101959, and l217928-1226615).
Subtraction by Bento Soares and M. Fatima Bonaldo. "
39 a 60 c 35 g 62 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone="IMAGE:2320801"
/clone_lib="NCI_CGAP_Pr28"
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  100.0%;
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  46;
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BI036862/c
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BF957666 201 bp mRNA linear EST 22-JAN-200 PM1-NN1200-251100-007-c09 NN1200 Homo sapiens cDNA, mRNA sequence. BF957666 BF957666.1 GI:12374941 EST.
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1 (Dases 1 to 197)

Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R., Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F., Magai,M.A., Galika,W. Jr., Zago,M.A., Baia,G.S., Simpson,D.H., Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H., Brunstein,A., deOliveira,F.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=MR4&t2=MR4-NT0140-
080101-209-d10&t3=2001-01-08&t4=1)
Seq primer: puc 18 forward
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MR4-NT0140-080101-209-d10 NT0140 Homo sapiens cDNA,
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                                                                                                                                                                                                                                                                                                                                                                                          tissue mRNA and cDNA amplification were performed under low stringency conditions."
40 c 66 g 42 t
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/db_xref="taxon:9606"
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Search completed: May 17, 2002, 15:25:36
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1 (bases 1 to 201)

Dias Neto.E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R., Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F., Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H., Brunstein,A., de0liveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
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High quality sequence stop: 201
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=PM1&t2=PM1-NN1200-
251100-007-c09&t3=2000-11-25&t4=1)
Seq primer: puc 18 forward
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                                                                                                                      Similarity
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                                                                                               Conservative
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/dev_stage="Adult"
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US-60-365-384-115
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IS-10-017-527A-335
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GENERAL INFORMATION:

Sequence 115, Application US/60365384

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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 252
LENGTH: 3380
TYPE: DNA
ORGANISM: Homo saplens
US-09-930-213-252
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Matches
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CURRENT FILING DATE: 2002-03-14
NUMBER OF SEQ ID NOS: 666
SOFTWARE: pt_ft_genes Version 6.0
SEQ ID NO 115
LENGTH: 1839
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CURRENT FILING DATE: 2001-01-31
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TITLE OF INVENTION: DETECTION OF DIFFERENTIAL GENE EXPRESSIONS
FILE REFERENCE: ALBRE-14
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APPLICANT: Weng, Gezhi
TITLE OF INVENTION: Novel Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 814
                                                                                                                                                          PRIOR APPLICATION NUMBER: DE 10004102.7 PRIOR FILING DATE: 2000-01-31
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ORGANISM: Homo sapiens
FEATURE:
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Ghosh, Malabika
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Asundi, Vinod
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Zhou, Ping
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Xue, Aidong J.
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100.0%; Pred. No. 0.42;
78.1%;
94.4%;
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 Score
Pred.
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 16.4; I
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                DВ
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                Length 3380
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US-10-126-704-12

Sequence 12, Application US/10126704

GENERAL INFORMATION:

APPLICANT: Bougueleret, Lydie

TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBPTITLE OF INVENTION: AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.

FILE REFERENCE: 44.US5.DIV
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                                                                                                                                             ORGANISM: Homo sapiens US-10-126-704-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT
                                                     Query Match
Best Local S
Matches 18
                                                                                                                                                                                              SOFTWARE: Patent.pm
SEQ ID NO 12
LENGTH: 139
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SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 6
LENGTH: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 6, Application US/09784403A GENERAL INFORMATION:
APPLICANT: Barbour, Eric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
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                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/10/126,704
CURRENT FILING DATE: 2002-04-20
PRIOR APPLICATION NUMBER: US 60/091,315
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/111,909
PRIOR FILING DATE: 1998-12-10
NUMBER OF SEQ ID NOS: 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 60/107,201
PRIOR FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: US 60/103,294
PRIOR FILING DATE: 1998-10-06
PRIOR APPLICATION NUMBER: 09/410,935
PRIOR FILING DATE: 1999-10-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: EuClaire Meyer, Terry
APPLICANT: Eid Saad, Mohammed
TITLE OF INVENTION: Novel Maize Promoters
FILE REFERENCE: 35718/208067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/784,403A CURRENT FILING DATE: 2001-02-15
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                                                                                                                                                                                TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            190 AACAGCAGAGTCTTCATC 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity hes 18; Conserv
                                                       Local Similarity 85. es 18; Conservative
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85.7%;
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85.78;
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Pred. No. 58;
0; Mismatches
                                                     Score 16.2; D
Pred. No. 67;
0; Mismatches
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3 cagaggaagagtcttcatcat 23

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PRIOR APPLICATION NUMBER: 08/722,922
PRIOR FILING DATE: September 27, 1996
PRIOR FILING DATE: September 29, 1996
PRIOR FILING DATE: September 29, 1995
PRIOR FILING DATE: September 29, 1995
PRIOR FILING DATE: March 25, 1997
PRIOR PILING DATE: March 25, 1997
PRIOR PILING DATE: March 25, 1996
PRIOR PILING DATE: March 25, 1996
PRIOR PILING DATE: March 25, 1996
PRIOR PILING DATE: March 25, 1997
PRIOR PILING DATE: April 10, 1997
PRIOR APPLICATION NUMBER: 60/015, 533
PRIOR FILING DATE: April 10, 1997
PRIOR APPLICATION NUMBER: 60/015, 533
PRIOR FILING DATE: April 10, 1996
PRIOR PILING DATE: April 10, 1996
PRIOR PILING DATE: MINDER: 60/015, 533
PRIOR PILING DATE: July 31, 1997
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US-09-540-210B-23471
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PRIOR FILING DATE: November 18, 1997
PRIOR APPLICATION NUMBER: 08/395,244
PRIOR FILING DATE: February 27, 1995
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                                                        OR APPLICATION NUMBER: 08/960,746
OR APPLICATION NUMBER: 08/960,746
OR FILING DATE: October 29, 1997
OR APPLICATION NUMBER: 60/030,144
OR FILING DATE: October 30, 1996
OR APPLICATION NUMBER: 08/826,847
OR FILING DATE: APPLICATION ON THE PROPERTY OF THE P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OR APPLICATION NUMBER: 08/903,802
OR FILING DATE: July 31, 1997
OR APPLICATION NUMBER: 60/023,308
OR FILING DATE: July 31, 1996
OR APPLICATION NUMBER: 08/905,881
OR FILING DATE: August 1, 1997
OR APPLICATION NUMBER: 60/025,204
OR FILING DATE: August 1, 1996
OR APPLICATION NUMBER: 08/903,471
OR FILING DATE: July 30, 1997
OR APPLICATION NUMBER: 06/025,478
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DR FILING DATE: July 31, 1996
DR APPLICATION NUMBER: 08/862,178
DR FILING DATE: May 22, 1997
DR APPLICATION NUMBER: 60/018,217
OR APPLICATION NUMBER: 60/018,217
OR APPLICATION NUMBER: 08/881,589
OR APPLICATION NUMBER: 08/881,589
OR FILING DATE: June 24, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILLING DATE: July 31, 1997
APPLICATION NUMBER: 60/025, 217
FILLING DATE: August 22, 1996
APPLICATION NUMBER: 08/937,142
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APPLICATION NUMBER: 08/903,556
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FILING DATE: June 24, 1997
FILING DATE: June 24, 1997
FILING DATE: 1006
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APPLICATION NUMBER: 60/026,598
FILING DATE: September 24, 1996
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Stuve, Laura L.
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: 08/395,244
?7, 1995
60/015,533
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NUMBER OF SEQ ID NOS: 356.
SOFTWARE: PERL Program
SEQ ID NO 23471
LENGTH: 235
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; OTHER INFORMATION: Incyte ID No: hu00253322
US-09-540-210B-23471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-540-210B-31214/c
                                                                                                                                                                                                                                                                                                                                  Sequence 31214, Application US/09540210B
GENERAL INFORMATION:
APPLICANT: Seihamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuart, Susan G.
APPLICANT: Mullahy, Sara J.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES OF URINARY TRACT
FILE REFERENCE: PD-1037 CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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CURRENT APPLICATION NUMBER: US/09/540,210B CURRENT FILING DATE: 2002-04-03 PRIOR APPLICATION NUMBER: 08/972,899 PRIOR EILING DATE: November 18, 1997 PRIOR APPLICATION NUMBER: 08/395,244 PRIOR APPLICATION NUMBER: 08/395,244 PRIOR FILING DATE: February 27, 1995 PRIOR FILING DATE: September 27, 1996
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PRIOR FILING DATE: February 13, 122,
PRIOR FILING DATE: Febr
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PRIOR TILING DATE: June 30, 1998
PRIOR APPLICATION NUMBER: 60/052,751
PRIOR FILING DATE: July 1, 1997
PRIOR APPLICATION NUMBER: 09/094,079
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PRIOR FILING DATE: NOVEMBER 22, 1996
PRIOR APPLICATION NUMBER: 60/007,495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens FEATURE:
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APPLICATION NUMBER: 09/033,,,,
FILING DATE: March 4, 1998
FILING DALE.
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APPLICATION NUMBER: 09/041,894
FILING DATE: March 12, 1998
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APPLICATION NUMBER: 60/048,431
FILING DATE: May 29, 1997
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NUMBER: 60/039,
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85.7%;
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PRIOR FILING DATE: September 29, 1995
PRIOR APPLICATION NUMBER: 08,784,709
PRIOR APPLICATION NUMBER: 08,784,701
PRIOR FILING DATE: MARCH 25, 1996
PRIOR REDICATION NUMBER: 08,785,847
PRIOR REPLICATION NUMBER: 08,785,847
PRIOR REPLICATION NUMBER: 08,703,555
PRIOR FILING DATE: April 10, 1996
PRIOR APPLICATION NUMBER: 08,703,555
PRIOR FILING DATE: April 110,1997
PRIOR APPLICATION NUMBER: 08,703,555
PRIOR FILING DATE: MAPIL 110,1996
PRIOR APPLICATION NUMBER: 08,703,555
PRIOR FILING DATE: July 31, 1996
PRIOR APPLICATION NUMBER: 08,703,555
PRIOR FILING DATE: July 31, 1996
PRIOR APPLICATION NUMBER: 08,703,801
PRIOR APPLICATION NUMBER: 08,703,802
PRIOR FILING DATE: July 31, 1996
PRIOR APPLICATION NUMBER: 08,703,802
PRIOR APPLICATION NUMBER: 08,703,308
PRIOR FILING DATE: July 31, 1997
PRIOR APPLICATION NUMBER: 08,703,308
PRIOR FILING DATE: July 31, 1997
PRIOR APPLICATION NUMBER: 08,703,308
PRIOR FILING DATE: July 31, 1996
PRIOR PILING DATE: July 31, 1997
PRIOR APPLICATION NUMBER: 08,703,471
PRIOR APPLICATION NUMBER: 08,703,471
PRIOR APPLICATION NUMBER: 08,703,471
PRIOR APPLICATION NUMBER: 08,703,471
PRIOR APPLICATION NUMBER: 09,703,471
PRIOR APPLICATION NUMBER: 09,703,471
PRIOR APPLICATION NUMBER: 09,703,476
PRIOR PILING DATE: July 31, 1996
PRIOR PILING DATE: NOUSEER: 09,703,476
PRIOR APPLICATION NUMBER: 09,703,172
PRIOR APPLICATION NUMBER: 09,703,172
PRIOR APPLICATION NUMBER: 09,703,173
PRIOR APPLICATIO
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APPLICANT: Byrum, Joseph R.
APPLICANT: Heck, Gregory R.
APPLICANT: La Rosa, Thomas J.
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(1530)B
CURRENT APPLICATION NUMBER: US/09/975,254
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US/09/263,191
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 31255
SEQ ID NO 17477
LENGTH: 257
TYPE: DNA
ORGANISM: Glycine max
ORGANISM: Glycine max
ORGANISM: Glycine max
ORGANISM: Glycine max
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PRIOR APPLICATION NUMBER: 09/107,592
PRIOR APPLICATION NUMBER: 60/052,751
PRIOR APPLICATION NUMBER: 60/052,751
PRIOR FILING DATE: July 1, 1997
PRIOR APPLICATION NUMBER: 09/094,079
PRIOR FILING DATE: June 9, 1998
PRIOR APPLICATION NUMBER: 60/049,975
PRIOR APPLICATION NUMBER: 60/049,975
PRIOR FILING DATE: June 13, 1997
NUMBER OF SEQ ID NOS: 35654
SOFTMARE: PERL PROGram
SEQ ID NO 31214
LENGTH: 256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-975-254-17477/c : Sequence 17477, Application US/09975254 ; GENERAL INFORMATION:
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NAME/KBY: misc_feature
OTHER INFORMATION: Incyte ID No: hu00338737
US-09-540-210B-31214
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US-09-539-331D-3257/c
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Sequence 3257, Application US/09539331D
GENERAL INFORMATION:
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES OF CARDIOVASCULAR SYSTEM TISSUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 18; Conserv
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Best Local Similarity 85...
Matches 18; Conservative
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ORGANISM: Homo sapiens
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85.78;
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85.78;
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Pred. No. 71;
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Pred. No. 71;
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RESULT 11

US-10-099-926-918

Sequence 918, Application US/10099926

GENERAL INFORMATION:

APPLICANT: King, Gordon E.

APPLICANT: Meagher, Madeleine Joy

APPLICANT: Xu, Jiangchun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; NAME/KEY: unsure
; LOCATION: 14-15, 54, 113-114
; OTHER INFORMATION: a, t, c, g, or other
US-09-539-331D-3257
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US-10-106-698-2234/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Ruben et al.

TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
FILE REFERENCE: PA005p1
CURRENT APPLICATION NUMBER: US/10/106,698
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: PCT/US00/26524
PRIOR FILING DATE: 2000-09-28
PRIOR FILING DATE: 1999-09-29
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR PILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: US 60/163,280
PRIOR FILING DATE: 1999-11-03
NUMBER OF SEQ ID NOS: 8504
SOFTWARE: PATENTIN Ver. 3.0
SEQ ID NO 2234
LENGTH: 319
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NUMBER OF SEQ ID NOS: 40961
SOFTWARE: PERL Program
SEQ ID NO 3257
LENGTH: 292
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Best Local Similarity
Matches 18; Conserv
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: hu00740013
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| || || || || || || || || 1
| 148 CTGCATCAGAGTCTTCATCCT 128
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85.7%;
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85.7%;
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                                                                                                                                                                                                                                                                                         Score 16.2;
Pred. No. 73;
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Sequence 650, Application US/1009710;
GENERAL INFORMATION:
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Secrist, Heather
APPLICANT: Harlocker, Susan L.
APPLICANT: Xu, Jiangchun
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 918
; LENGTH: 324
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-099-926-918
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 1562
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 650
LENGTH: 325
TYPE: DNA
ORGANIZM: Homo sapiens
US-10-097-105-650
                                                                                                                                                                                                                                                                                                                                                         Sequence 664, Application US/10097105
GENERAL INFORMATION:
APPLICANT: Meagher, Madeleine Joy
APPLICANT: King, Gordon E.
APPLICANT: Secrist, Heather
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Best Local Similarity 85.7%;
Matches 18; Conservative
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Best Local
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                                       APPLICANT: Harlocker, Susan L.
APPLICANT: XU, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.504C1
CURRENT APPLICATION NUMBER: US/10/097,105
CURRENT FILLING DATE: 2002-03-13
NUMBER OF SEO ID NOS: 1562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.504C1
CURRENT APPLICATION NUMBER: US/10/097,105
CURRENT FILING DATE: 2002-03-13
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CURRENT FILING DATE: 2002-03-17
NUMBER OF SEQ ID NOS: 1982
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
SOFTWARE: FastSEQ for Windows Version 4.0
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|| || || || || || || 1000 || 163
183 CACCAGCAGAGCCATCATCAT 163
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18; Conserv
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Jiang, Yuqiu
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85.7%;
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Pred. No. 73;
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Pred. No. 73;
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Sequence 264, Application US/10097105

GENERAL INFORMATION:
APPLICANT: Meagher, Madeleine Joy
APPLICANT: King, Gordon E.
APPLICANT: King, Gordon E.
APPLICANT: Secrist, Heather
APPLICANT: Secrist, Heather
APPLICANT: Williangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.504C1
CURRENT APPLICATION NUMBER: US/10/097,105
CURRENT APPLICATION NUMBER: US/10/097,105
CURRENT APPLICATION NUMBER: US/10/097,105
CURRENT APPLICATION NUMBER: US/10/097,105
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 264
LENCTH: 409
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LCCATION: 139, 218, 223, 261, 398
OTHER INFORMATION: n = A,T,C or G
US-10-097-105-264
Sequence 790, Application US/09954531

Sequence 790, Application US/09954531

GENERAL INFORMATION:

APPLICANT: Weaver, Zoe

TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc

TITLE OF INVENTION: Gene Sets

FILE REFERENCE: 68920-77

CURRENT APPLICATION NUMBER: US/09/954,531

CURRENT FILING DATE: 2002-05-02

PRIOR APPLICATION NUMBER: US/60/233,133

PRIOR APPLICATION NUMBER: US/60/234,009

PRIOR FILING DATE: 2000-09-18

PRIOR FILING DATE: 2000-09-20

PRIOR APPLICATION NUMBER: US/60/234,034

PRIOR APPLICATION NUMBER: US/60/234,509

PRIOR APPLICATION NUMBER: US/60/234,567

PRIOR FILING DATE: 2000-09-22

PRIOR FILING DATE: 2000-09-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-097-105-264
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Best Local Similarity 85.7
Matches 18; Conservative
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LENGTH: 330
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Best Local Similarity 85.7%;
Matches 18; Conservative
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85.78;
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0; Mismatches
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Pred. No. 73;
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SOFTWARE: PatentIn version 3.0

SEQ ID NO 790

LENGTH: 412

TYPE: DNA

ORGANISM: Homo sapiens

US-09-954-531-790

Query Match
Best Local Similarity 85.7%; Pred. No. 75;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps

Qy 1 cagcagcagagtcttcatcat 21

Db 282 caattgcagagtcttcatcat 302

Search completed: May 17, 2002, 17:58:43

Job time: 9177 sec
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Title:
Perfect score:
Sequence:
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Maximum DB
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Maximum Match 100%
Listing first 45 summaries
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIE

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Description

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US-09-534-840-10374	US-09-534-840-10349	US-09-534-840-9461	US-08-961-526-363	US-09-534-840-10438	US-09-716-472-2881	-534	US-09-534-840-10321	US-60-023-236-1516	US-09-534-840-9416	US-08-918-181-1516	US-09-534-840-10381		US-09-534-840-9756	٠,	US-60-039-325-1091	บร-09-534-840-9505	US-09-021-031-1091	US-09-534-840-9752	US-09-366-380-14	US-08-485-657-14	US-09-534-840-9748	US-09-534-840-10784	US-09-366-380-19	US-08-485-657-19	US-09-534-840-10415	US-09-534-840-10325	US-10-080-794-4	US-09-944-326-4	US-09-913-325-4	PCT-US00-04875-4
Sequence .10374, A	Sequence 10349, A	Sequence 9461, Ap		٠.	Sequence 2881, Ap	Sequence 10313, A	10321,		Sequence 9416, Ap	1516,		ç	9756,	Sequence 10336, A	1091,	9505,	1091,	9752	Sequence 14, Appl	Sequence 14, Appl	97	Sequence 10784, A	Sequence 19, Appl		Sequence 10415, A		4,	Sequence 4, Appli	Sequence 4, Appli	Sequence 4, Appli

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Sequence 4, Application US/09913325
GENERAL INFORMATION:
APPLICANT: GLEAVE, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Colleen
TITLE OF INVENTION: TREM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-W0
CURRENT APPLICATION UNMBER: US/09/913,325
CURRENT FILING DATE: 2001-10-29
PRIOR APPLICATION UNMBER: 60/121,726
PRIOR APPLICATION UNMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 14
SOFTMARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: ANTISENSE THERAPY FOR CANCER
FILE REFERENCE: UBC. -020-WO
CURRENT APPLICATION NUMBER: PCT/US00/04875
CURRENT FILING DATE: 2000-02-25
EARLIER APPLICATION NUMBER: 60/121,726
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EARLIER APPLICATION NUMBER: 60/121,726
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EARLIER APPLICATION UMBER: 60/121,726
EARLIER FILING DATE: 1999-02-26
NUMBER OF SEO ID NOS: 14
SOFTWARE: PATENTIN VET. 2.1
SEO ID NO
GRGANISM: HUMAN
FEATURE:
                                                                                                                                                                                     RESULT 2
US-09-913-325-4
                                                                                                                                                                                                                                                                                                                       ; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
PCT-US00-04875-4
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PCT-US00-04875-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: HUMAN
           TYPE: DNA
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US-09-534-840-10422
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US-09-534-840-10376
US-09-534-840-10378
US-09-534-840-10378
US-09-534-840-10331
US-09-534-840-10331
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APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UDC. P.020-2
CURRENT APPLICATION UNWBER: US/09/944,326
CURRENT APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 21
TYPE: DAA
ORGANISM: HUMAN
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 09/944,326
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
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; OTHER INFORMATION: antisense TRPM-2 ODN
US-09-913-325-4
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US-10-080-794-4
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                                                                                                                                                                                                                                                                                                                                   Sequence 4, Application US/10080794
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4, Application US/09944326 GENERAL INFORMATION:
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Best Local Similarity
Matches 21; Conserv
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Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                            APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Neison, Colleen
APPLICANT: Neison, Colleen
APPLICANT: Monia, Brett P.
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY)ETHYL MODIFICATIONS
FILE REFERENCE: UBC. P-020-3
CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT FILING DATE: 2002-02-22
CURRENT FILING DATE: 2002-02-22
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Pred. No.
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Pred. No. 47;
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Sequence 10415, Application US/09534840
GENERAL INFORMATION:
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Stuve, Laura L.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLECTIDES ENCODING OR
FILE REFERENCE: PD-101 CIP
CURRENT APPLICATION NUMBER: US/09/534,840
CURRENT APPLICATION NUMBER: US/09/534,840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu01113942
US-09-534-840-10325
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Best Local Similarity
Tatches 21; Conserv
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US-09~534-840-10415/c
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APPLICANT:
APPLICANT:
                Prior application data removed - consult PALM or NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 10415
LENGTH: 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Prior application data removed - consult PALM or file wrapper NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 10325
LENGTH: 177
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APPLICANT: Delegeane, Angelo M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNOCLECTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOLEC
FILE REFERNCE: PD-1010 CIP
CURRENT APPLICATION NUMBER: US/09/534,840
CURRENT FILING DATE: 1992-07-17
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TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
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100.0%;
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Pred. No.
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                                                                                                                                                                       OR REGULATING PROTEIN MODIFICATION MOLEC
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: NAME/KEY: misc_feature
) OTHER INFORMATION: Incyte ID No: hu01055183;
RAME/KEY: unsure
LOCATION: 17, 40
) OTHER INFORMATION: a, t, c, g, or other
US-09-534-840-10415
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US-08-485-657-19/c
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Best Local S
Matches 21
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Best Local
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NAME: NOODAD, Kevin E
REGISTRATION UUMBER: 35,303
REFERENCE/DOCKET NUMBER: 93,3
TELECOMMUNICATION INFORMATION:
TELEFIONE: 312-715-1234
TELEFAX: 312-715-1234
                                                                                                                                                                                                                                                     TELEX: 910-221-5317 INFORMATION FOR SEQ ID NO:
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Kirschling, Deborah J
APPLICANT: Gudkov, Andrei
APPLICANT: Roninson, Igor B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 181 base pairs
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CITY: Chicago
STATE: Illinois
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Local Similarity 100.0%;
hes 21; Conservative 0
                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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73 CAGCAGCAGAGTCTTCATCAT 53
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                 1 cagcagcagagtcttcatcat 21
                                                   similarity 100.0%; Similarity 100.0%; 21; Conservative 0;
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Pred. No.
                                                                            Score 21;
Pred. No.
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57;
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                                                                                           Length 181;
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US-09-534-840-10784/c
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                                                                                                                                                                                                       Sequence 10784, Application US/09534840 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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                                                                                          APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
                APPLICANT: Naughton, Rebecca E.
TITLE OF INVERTION: POLYNUCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOLEC
FILE REFERENCE: PD-1010 CUP
CURRENT APPLICATION NUMBER: US/09/534,840
CURRENT FILING DATE: 1992-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
Prior application data removed - consult PALM or file wrapper
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: NOODBD, KEVID E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 93
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Genes and Genetic Elements Associated TITLE OF INVENTION: with Sensitivity to Cisplatin NUMBER OF SEQUENCES: 23 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Kirschling, Deborah J
APPLICANT: Gudkov, Andrei
APPLICANT: Roninson, Igor B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Noonan, Kevin F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/09/366,380 FILING DATE: CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                   Y MUTCH 100.0%; Score 21; Local Similarity 100.0%; Pred. No. 105 21; Conservative 0; Mismatch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 181 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Chicago
STATE: Illinois
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; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu01285157
US-09-534-840-9748
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; Sequence 9748, Application US/09534840
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NAME/KBY: misc_feature
OTHER INFORMATION: Incyte ID No: hu01342214
US-09-534-840-10784
                                                                                                                                                                                                                                                    US-08-485-657-14/c
                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
".~ 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prior application data removed - consult PALM or file wrapper NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 9748
LENGTH: 192
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                             Sequence 14, Application US/08485657 GENERAL INFORMATION:
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Best Local Similarity
Matches 21; Conserv
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SOFTWARE: PERL Program
SEQ ID NO 10784
LENGTH: 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOFILE REFERENCE: DO-1010 CIP
CURRENT APPLICATION NUMBER: US/09/534,840
CURRENT FILING DATE: 1992-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Seilhamer, Jeffrey APPLICANT: Delegeane, Angelo APPLICANT: Stuart, Susan G.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
STREET: LC
CITY: Chicago
CITY: Illinois
                                                                                      APPLICANT: Kirschling, Deborah J
APPLICANT: Gudkov, Andrei
APPLICANT: Roninson, Igor B
TITLE OF INVENTION: Genes and Genetic Elements Associated
TITLE OF INVENTION: with Sensitivity to Cisplatin
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                      88 CAGCAGCAGAGTCTTCATCAT 68
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Stuart, Susan G.
Stuve, Laura L.
Mullahv
                                                    10 South Wacker Drive, Suite 3000
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                                                                     ALLEGRETTI & WITCOFF, Ltd
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Pred. No.
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TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 910-221-337
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 195 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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Best Local Similarity 100.0%; 1
Matches 21; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 14, Application US/09366380 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/199,900
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: NOONAN, KEVIN E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 93,
                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SODTWARB: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/366,380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Kirschling, Del
APPLICANT: Gudkov, Andrei
APPLICANT: Roninson, Igor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Roninson, Igor B
TITLE OF INVENTION: Genes and Genetic Elements Associated
TITLE OF INVENTION: with Sensitivity to Cisplatin
                                   ATTORNEY/AGENT INFORMATION: NAME: NOOnan, Kevin E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/485,657 FILING DATE:
                                                                                                                                                                                                                                                                                                                                    STREET: 300 Sout
CITY: Chicago
STATE: Illinois
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                                                                                                                              FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                  COUNTRY:
                NAME: Noonan, Kevin E REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                         ZIP: 60606
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REFERENCE/DOCKET NUMBER: 93,354-N
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                                                                                                                                                                                                                                                                                                                                                                              E: McDonnell Boehnen Hulbert & Berghoff 300 South Wacker Drive, 32nd Floor
                                                                                                                                                                                                                                                                                                                        USA
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                                                                                           08/199,900
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Pred. No.
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57;
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US-09-366-380-14
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APPLICANT: Stuart, Susan G.

APPLICANT: Stuart, Susan G.

APPLICANT: Naughton, Rebecca E.

APPLICANT: Naughton, Rebecca E.

TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MODIFICATION TITLE REFERENCE: PD-1010 CIP

CURRENT APPLICATION NUMBER: US/09/534,840

CURRENT FILING DATE: 1992-07-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 13675

SOFTMARE: PERL Program

SEQ ID NO 9752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-534-840-9752/c
                                                                                                                   Sequence 1091, Application US/09021031 GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Matches 21; Conservative 0
                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuye, Laura L.
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                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: unsure LOCATION: 118
OTHER INFORMATION: a, t, c, g, or other
                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature OTHER INFORMATION: Incyte ID No: hu01227727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
                                                  APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 195 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: 312-913-0001 TELEFAX: 312-913-0002
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                    APPLICANT:
APPLICANT:
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 APPLICANT:
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                                              Gooding, Douglas H.
Stuve, Laura L.
Stuart, Susan G.
Ito, Laura Y.
                                                                                                                                                                                                                                                                                              Conservative
Akerblom, Ingrid E.
Delegeane, Angelo M.
Naughton, Rebecca E.
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Pred. No.
                                                                                                                                                                                                                                                                                                              Score 21; DB Pred. No. 58;
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; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; INMEDIATE SOURCE:
; CLONE: 2807488H1
US-09-021-031-1091
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: CERRONE, MICHAEL C.
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PD-0319P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 845-4565
INFORMATION FOR SEQ ID NO: 1091:
SEQUENCE CHARACTERISTICS:
LENGTH: 200 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                      Sequence 9505, Application US/09534840

GENERAL INFORMATION:

APPLICANT: Seilhamer, Jeffrey J.

APPLICANT: Delegeane, Angelo M.

APPLICANT: Stuart, Susan G.

APPLICANT: Stuart, Susan G.

APPLICANT: Mullahy, Sara J.

APPLICANT: Mullahy, Sara J.

APPLICANT: Naughton, Rebecca E.

TITLE OF INVENTION: POLYNUCLECTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOLEC FILE REFERENCE: PD-1010 CIP

CURRENT APPLICATION NUMBER: US/09/534,840

CURRENT FILING DATE: 1992-07-17
                                                           Prior application data removed - consult PALM or file wrapper NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 9505
LENGTH: 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Best Local Similarity 100.0%; Matches 21; Conservative 0
ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARRE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/021,031
FILING DATE:
FILING DATE:
                                             TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Kiingler, Tod M.
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
TITLE OF INVENTION: BLADDER CARCINOMA
NUMBER OF SEQUENCES: 1882
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/039,325
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ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 3174 POI
CITY: PALO ALTO
STATE: CALIFORN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CALIFORNIA
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Gaps

0;

Search completed: May 17, 2002, 17:56:00 Job time: 12667 sec

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Title:
Perfect score:
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Meximum DB
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  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
 seq length: 0
seq length: 2000000000
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  100.0
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1: /cgn2_6/ptodata/
2: /cgn2_6/ptodata/
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21
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/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
/cgn2_6/ptodata/2/ina/6A_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/FCTUS_COMB.seq:*
/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
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US-08-961-858-1
US-08-961-858-3
US-09-089-593-3
US-08-993-380-5
US-08-993-380-5
US-08-993-7-185-9
US-08-980-060-1
US-08-980-060-1
US-08-980-060-1
US-08-980-607-185-3
US-08-980-607-185-3
US-08-980-613-3-3
US-08-980-613-3-3
US-08-988-416-148
US-08-988-416-148
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US-08-398-416-148
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PCT-US95-02303-18
US-08-485-657A-14
PCT-US95-02303-14
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                   Patent No. Patent No.
                  Sequence 21, Appl
Sequence 41, Appl
Sequence 148, App
Sequence 9, Appli
Sequence 9, Appli
Patent No. 5340934
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14, Appl
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Best Local S
                    Matches
                    Local Similarity
nes 21; Conserv
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1 cagcagcagagtcttcatcat 21

Conservative

0;

Score 21; DB 2; Length 181; Pred. No. 0.53; Mismatches 0; Indels

0;

Gaps

0

100.0%;

29 15.8 75.2 2674 4 US-09-817-180-1 30 15.8 75.2 15.97 4 US-09-817-180-3 31 15.4 73.3 45 1 US-07-885-689A-7 32 15.4 73.3 576 1 US-07-885-689A-8 33 15.4 73.3 576 1 US-08-093-38-4 41 15.4 73.3 579 1 US-07-885-689A-37 36 15.4 73.3 579 1 US-07-885-689A-37 37 15.4 73.3 600 6 5514646-37 38 15.4 73.3 601 1 US-07-801-164A-3 39 15.4 73.3 601 1 US-07-764-655D-6 38 15.4 73.3 601 1 US-07-764-655D-7 40 15.2 72.4 42.3 1 US-08-470-179-35 41 15.2 72.4 42.3 1 US-08-470-179-53 42 15.2 72.4 42.3 1 US-08-470-179-76 43 15.2 72.4 42.3 1 US-08-470-179-76 44 15.2 72.4 42.3 1 US-08-470-179-76 45 15.2 72.4 42.3 1 US-08-470-179-76 46 15.2 72.4 42.3 1 US-08-470-179-76 47 15.2 72.4 42.3 1 US-08-470-179-76 48 15.2 72.4 42.3 1 US-08-470-179-76
75.2 2674 4 US-07 73.3 1529 1 US-07 73.3 576 1 US-07 73.3 576 1 US-07 73.3 579 1 US-07 73.3 600 6 55146 73.3 601 1 US-07 73.3 601 1 US-07 73.3 603 1 US-07 73.3 100 100 100 100 100 100 100 100 100 10
2 2674 4 US-00 2 15297 4 US-00 3 576 1 US-00 3 576 1 US-00 3 577 1 US-00 3 579 1 US-00 3 600 6 55144 600 1 US-00 3 601 1 US-00 3 601 1 US-00 4 423 1 US-00 6 55146 6 55146 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4 US-020 1 U

ALIGNMENTS

US-08-485-657A-19/c US-08-485-657A-19/c ; Sequence 19, Application ; Patent No. 5942389 US-08-485-657A-19 APPLICATION NUMBER: US/08/485 FILING DATE: 07-JUN-1995 CLASSIFICATION: 800 ATTORNEY/AGENT INFORMATION: NAME: NO. 5942389nan, Kevin E REGISTRATION NUMBER: 35,303 GENERAL INFORMATION: SEQUENCE CHARACTERISTICS: LENGTH: 181 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: cDNA INFORMATION FOR SEQ ID NO: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0. CURRENT APPLICATION DATA: APPLICANT: Roninson, Igor B TITLE OF INVENTION: Genes and Genetic Elements Associated TITLE OF INVENTION: with Sensitivity to Cisplatin NUMBER OF SEQUENCES: 23 CORRESPONDENCE ADDRESS: COMPUTER READABLE FORM: MEDIUM TYPE: Floppy APPLICANT: Kirschling, De APPLICANT: Gudkov, Andrei APPLICANT: Roninson, Igor TELECOMMUNICATION INFORMATION: TELEPHONE: 312-913-0001 STREET: 300 Sout CITY: Chicago STATE: Illinois REFERENCE/DOCKET NUMBER: COUNTRY: ADDRESSEE: 60606 E: McDonnell Boehnen Hulbert & Berghoff 312-913-0002 USA Release #1.0, Version #1.25 US/08485657A US/08/485,657A Deborah J 93,354-N (F)

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US-08-485-657A-14/c

; Sequence 14, Application US/08485657A

; Patent No. 5942389
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; Sequence 18, Application PC/TUS9502303
; GENERAL INFORMATION:
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                           COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
SYSTEM: PC-DOS/MS-DOS
SOTTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,657A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5942389nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 39,354-N
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
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Best Local 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: NITSUMAND, APPLICANT: Gudkov, Andrei APPLICANT: Roninson, Igor B TITLE OF INVENTION: Genes and Genetic Elements Associated TITLE OF INVENTION: with Sensitivity to Cisplatin NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PINFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 181 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
TITLE OF INVENTION: Genes and Genetic Elements Associated
TITLE OF INVENTION: with Sensitivity to Cisplatin
NUMBER OF SEQUENCES: 25
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO) CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                STREET: 300 Sout
CITY: Chicago
STATE: Illinois
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OPERATING SYSTEM: PC-DOS/MS-DOS
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TELEX:
                   TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     73 CAGCAGCAGAGTCTTCATCAT 53
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                   312-913-0002
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PE: cDNA
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100.0%; Pred. No. 0.53;
tive 0; Mismatches 0
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; MOLECULE TYPE:
US-08-485-657A-14
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                         Best
                                                                                                                                       APPLICANT: Dave, Kirti I.
APPLICANT: Botyanszki, Janos
APPLICANT: Sintar, Eva
TITLE OF INVENTION: Stabilized
TITLE OF INVENTION: Subunits o
NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: PHINFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 195 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 195 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                     CORRESPONDENCE ADDRESS:
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ZIP: 94304-1018
                                                                             CITY: Palo Alto
                                                                                         STREET:
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                                                                                                                                                      Stabilized Conjugates of Uncomplexed Subunits of Multimeric Proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Genes and Genetic Elements Associated with Sensitivity to Cisplatin
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O: 14:
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Pred. No. 0.53;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-961-858-1/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 94.7
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/08961858 Patent No. 5834210
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
1.FNGTH: 633 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Axford, Laurie A.
REGISTRATION NUMBER: 35,053
REFERENCE/DOCKET NUMBER: 32:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: STABLE TROPONIN SUBUNITS AND COMPLEXES NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Liu, Shigui
APPLICANT: Shi, Qinwei
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA:
ATTORNEY/AGENT INFORMATION:
NAME: Jackson ESq., David A.
REGISTRATION UNMBER: 26,742
REFERENCE/DOCKET NUMBER: 1112-1-044 CIP
TELECOMBUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEPHONE: 201-343-1684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 006141
                                                                                                                                                                                                                                                                                       STATE: New Jersen
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                                                                                                            FILING DATE:
CLASSIFICATION: 435
                                                                                                                                                                                                                                                         ZIP: 07601
                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: doub
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94.7%;
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Pred. No. 25;
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; HYPOTHETICAL:
US-08-961-858-1
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                                                          Query Match 82.1
Best Local Similarity 94.
Matches 18; Conservative
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Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                                          TELEFAX: 201-343-1684
TELEX: 133521
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 651 base pairs
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SEQUENCE CHARACTERISTICS:
LENGTH: 651 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 111
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIJUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                     DESCRIPTION: HYPOTHETICAL:
                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Liu, Shigui
APPLICANT: Shi, Qinwei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               180 CAGCAGCAGAGTCTTCAGC 162
 180 CAGCAGCAGAGTCTTCAGC 162
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TELEPHONE: ZU1-7.
TELEPHONE: Z01-343-1684
                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: FILING DATE: CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 411 Hackensack Avenue, 4th Floor CITY: Hackensack STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
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                cagcagcagagtcttcatc 19
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                                                                                                                                                                                                                 nucleic acid
EDNESS: double
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                                                                         82.98;
94.78;
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                                                                        Score 17.4;
Pred. No. 25;
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Pred. No. 25
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                                                            Mismatches
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                                                            Gaps
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GENERAL INFORMATION:
                                                                                                                                                                                         Sequence 3, Application US/09089593 Patent No. 6060278 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                   Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 201-343-1684
TELEX: 133521
INFORMATION FOR SEQ ID NO:
                                                                      APPLICANT: Liu, Shigui
APPLICANT: Shi, Qineei
TITLE OF INVENTION: STABLE TROPONIN SUBUNITS AND COMPLEXES
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSE: Klauber & Jackson
ADDRESSE: Klauber & Jackson
ADDRESSE: Klauber & Jackson
ADDRESSE: Klauber & Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/9.
FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/089,593
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 411
CITY: Hackensack
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Liu, Shigui
APPLICANT: Shi, Qinwei
TITLE OF INVENTION: STABLE TROPONIN SUBUNITS AND COMPLEXES
NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 651 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 201-343-1684
                                                                                                                                                                                                                                                                                                               180 CAGCAGCAGAGTCTTCAGC 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: UZIP: 07601
                                                                  STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1112-1-044 CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Jackson Esq., David A. REGISTRATION NUMBER: 26,742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                              1 cagcagcagagtcttcatc 19
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07601
                               Hackensack
New Jersey
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                                                                411 Hackensack Avenue, 4th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E: Klauber & Jackson
411 Hackensack Avenue, 4th Floor
                USA
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Pred. No. 25
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GENERAL INFORMATION:

APPLICANT: Song, Qian-Li

APPLICANT: Song, Qian-Li

TITLE OF INVENTION: SINGLE CHAIN POLYPEPTIDES COMPRISING TROPONIN I AND

TITLE OF INVENTION: TROPONIN C

FILE REFERENCE: 1112-1-053

CURRENT APPLICATION NUMBER: US/08/993,380B

CURRENT FILING DATE: 1997-12-18

NUMBER OF SEQ ID NOS: 6

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 5

LENGTH: 651

TYPE: DNA

ORGANISM: Homo sapiens (modified)

US-08-993-380-5
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                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application US/08993380B Patent No. 6077676
                                                                Query Match
Best Local Similarity
Matches 18; Conserv
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Best Local Similarity 94.7%;
Matches 18; Conservative
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
DESCRIPTION:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 651 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1112-1-044 CIP
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                   1 cagcagcagagtcttcatc 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nucleic acid
                                                                Conservative
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                                                                  0
                                                                               Score 17.4;
Pred. No. 25;
                                                                  Mismatches
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RESULT 11 US-08-993-380-3/c

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; MOLECULE TYPE: US-08-980-060-9
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US-08-980-060-9/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: NI, JIAN
APPLICANT: FENG, PING
APPLICANT: MUZIO, MARTA
APPLICANT: DIXIT, VISHVA M.
TITLE OF INVENTION: HUMAN IRAK-2
NUMBER OF SEQUENCES: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-993-380-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Shi, Qinwei
APPLICANT: Song, Qian-Li
APPLICANT: Song, Qian-Li
TITLE OF INVENTION: SINGLE CHAIN POLYPEPTIDES COMPRISING TROPONIN I AND
TITLE OF INVENTION: TROPONIN C
FILE REFERENCE: 1112-1-053
CURRENT APPLICATION NUMBER: US/08/993,380B
CURRENT FILING DATE: 1997-12-18
NUMBER OF SEQ ID NOS: 6
                                                                                                                                       APPLICATION NUMBER: US/08/980
FILING DATE: Herewith
CLASSIFICATION: 435
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: STEFFE, ERIC K.
REGISTRATION NUMBER: 36,688
REGISTRATION NUMBER: 1488
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2540
INFORMATION FOR SEQ ID NO: 9:
INFORMATION FOR SEQ ID NO: 9:
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Best Local Similarity
Matches 18; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 3, Application US/08993380B Patent No. 6077676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 1173
TYPE: DNA
ORGANISM: Homo sapiens (modified)
                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVENUE, N.W., SUITE 600
                                                                                                                          SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: WASHINGTON STATE: D.C.
                                          TOPOLOGY:
                                                            STRANDEDNESS:
                                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 cagcagcagagtcttcatc 19
                                                              nucleic acid
DEDNESS: double
                                                                                                 330 base pairs
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                                            linear
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94.7%;
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Pred. No. 27;
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Query Match

80.0%;

Score 16.8;

DВ

2;

Length 330;

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TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 330 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: Linear
MOLECULE TYPE: CDNA
US-09-307-185-9
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                                                                                                                      RESULT 14
US-09-227-357-90/c
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               Sequence 90, Application US/09227357
Patent No. 6342581
GENERAL INFORMATION: et al.
APPLICANY: Fischer et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: PZ010P1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 9, Appl. Patent No. 62220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity Matches 18; Conserv
                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                     Query Match
Best Local
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APPLICANT: NI, JI
CURRENT APPLICATION NUMBER: US/09/227,357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVENUE, N.W., SUITE 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: STEFFE, ERIC K.
REGISTRATION NUMBER: 36,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/980,060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION UMBER: US/09/307,185 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPUTER: PC-DOS/MS-DOS
COERTANES BALLIE BOLDS/MS-DOS
COERTANES BALLIE BOLDS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: FENG, PING
APPLICANT: MUZIO, MARTA
APPLICANT: DIXIT, VISHVA M.
TITLE OF INVENTION: HUMAN IRAK-2
NUMBER OF SEQUENCES: 14
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                                                                                                                                                                                                                                                               Local Similarity 90.0 Pes 18; Conservative
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                                                                                                                                                                                                                 2 agcagcagagtcttcatcat 21
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20005-3934
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Pred. No. 42;
0; Mismatches
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Mismatches
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SOFTWARE: PatentIn Ver.
SEQ ID NO 90
LENGTH: 334
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NUMBER OF SEQ ID NOS: 672
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                 LENGTH: 33
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ORGANISM: Homo sapiens
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ER FILING DATE: 1997-08-18
ER FILING DATE: 1997-08-18
ER FILING DATE: 1997-08-18
ER APPLICATION NUMBER: 60/055,948
ER FILING DATE: 1997-08-18
ER APPLICATION NUMBER: 60/055,949
ER APPLICATION NUMBER: 60/055,949
ER APPLICATION NUMBER: 60/055,949
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ER FILLING DATE: 1997-07-08
PR APPLICATION NUMBER: 60/051,919
PR FILLING DATE: 1997-07-08
PR APPLICATION NUMBER: 60/051,928
PR FILLING DATE: 1997-07-08
PR FILLING DATE: 1997-07-08
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R APPLICATION NUMBER: 60/09
R FILING DATE: 1997-08-18
R APPLICATION NUMBER: 60/09
R FILING DATE: 1997-08-18
R APPLICATION NUMBER: 60/09
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R FILING DATE: 1997-08-18
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R APPLICATION NUMBER: 60/0:
R APPLICATION NUMBER: 60/0:
R FILING DATE: 1997-08-18
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R FILING DATE: 1997-08-18
R APPLICATION NUMBER: 60/05
R FILING DATE: 1997-09-12
R APPLICATION NUMBER: 60/05
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APPLICATION NUMBER: 60/
FILING DATE: 1997-09-12
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APPLICATION NUMBER: PCT/US98/13684
FILING DATE: 1998-07-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1997-07-08
APPLICATION NUMBER: 60/052,733
FILING DATE: 1997-07-08
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FILING DATE: 1997-07-08
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FILING DATE: 1997-07-08
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; FEATURE:
; NAME/KEY: SITE
; LOCATION: (321)
; OTHER INFORMATION: n equals a,t,g,
US-09-227-357-90
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                                                                                                                                ; NAME/KEY: ; LOCATION: US-08-980-060-1
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                                                                                                                                                                                                                                            NAME: STEFFE, ERIC K.

REGISTRATION NUMBER: 36,688

REFERENCE/DOCKET NUMBER: 1488

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2540
TELEPHAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1806 base pairs
TYPE: DOCKET
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Best Local S
Matches 18
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                                                          Query Match
Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM CC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0.
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: MUZIO, MARTA
APPLICANT: DIXIT, VISHVA M
TITLE OF INVENTION: HUMAN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
MOLECULE TYPE: DNA (genomic) FEATURE:
                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
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                                                                                                                                                                                                        TOPOLOGY: linear
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18; Conser
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                                                          Conservative
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90.0%;
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0; Mismatches
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                                                                         Score 16.8;
Pred. No. 52;
                                                             Mismatches
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                                                                                      Length 1806;
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Search completed: May 17, 2002, 16:06:10 Job time: 12744 sec

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Minimum DB seq
Maximum DB seq
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Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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ALIGNMENTS

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RESULT AAA94226 Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss AAA94226 standard; DNA; 21 BP WPI; 2000-533132/48. Gleave M, 26-FEB-1999; WO200049937-A2 Homo sapiens. Human testosterone-repressed prostate message-2 antisense oligo #2. AAA94226; (UYBR-) UNIV BRITISH COLUMBIA. 25-FEB-2000; 2000WO-US04875 12-JAN-2001 Rennie PS, (first entry) 99US-0121726. Miyake Η, Nelson Ç

Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene $\boldsymbol{\cdot}$

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RESULT AATOO46 / 2
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                        probes for the parent gene. The probes can then be used in a method of measuring the level of GSE gene expression. The GSEs can be used in methods of diagnosis of resistance to PDs by measuring the level of expression of GSE genes. The GSEs are also used in methods to overcome resistance to PDs in cancer cells. The GSEs (or fragments of them) can
                                                                                                                                                                   The sequences represented by AATO0405-TO0418 are genetic suppressor elements (GSEs). This sequence represents GSE HL6.10. This sequence shows homology to the cDNA encoding testosterone-repressed prostatic message-2 (TRRM-2). These sequences were obtained from a cDNA library derived from the total cDNA of a cisplatin sensitive cell. Genetic suppressor elements confer resistence to platinum-based drugs (PDS), such as cisplatin. These functional GSEs can then be used to create
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Genetic suppressor elements which confer resistance to platinum-based drugs, eg. cisplatin, on cancer cells - useful frenhancement of chemotherapy, and for diagnosis of resistance to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Genetic suppressor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Genetic suppressor element; GSE; platinum-based drug; cisplatin; chemotherapy; HL7.1; testosterone-repressed prostatic message-2; TRPM-2;
                                                                                                                                                                                                                                                                                                                                          The sequences represented by AAT00405-T00418 are
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Matches 21
                                     The present sequence is one of a large number of 5' ESTs derived from mRNAs encoding secreted proteins. No ORE has yet been conclusively identified within the present sequence. The 5' ESTs were prepared from total human RNAs or polyA+ RNAs derived from 30 different tissues. EST sequences usually correspond mainly to the 3' untranslated region (UTR) of the mRNA because they are often obtained from oligo-dT primed cDNA libraries. Such ESTs are not well suited for isolating cDNA sequences derived from the 5' ends of mRNAs and even in those cases where longer cDNA sequences have been obtained, the full 5' UTR is rarely included. 5' ESTs are derived from mRNAs with intact 5' ends and can therefore be used to obtain full length cDNAs and genomic DNAs. 5' ESTs are also used in diagnostic, forensic, gene therapy and chromosome mapping procedures. Expression and secretion vectors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         be used to inhibit the function of genes associated with sensitivity to PDs. For enhancement of chemotherapy, a GSE can be transferred (either alone or with another gene) on an expression vector into blood progenitor cells from a cancer patient. The cells are returned to the patients circulation and allowed to repopulate the blood before aggressive chemotherapy is carried out (using higher cisplatin concentrations than normal), this will thereby avoid toxic side effects to the immune system as the blood cells will be GSE resistant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gene
                                                                                                                                                                                                                                                              Claim 1; SEQ ID 11015; 71pp + CD-ROM; English.
                                                                                                                                                                                                                                                                                          New nucleic acid that is a 5' expressed sequence tag (5' EST) for obtaining cDNAs and genomic DNAs that correspond to 5'ESTs and for diagnostic, forensic, gene therapy and chromosome mapping procedures
                                                                                                                                                                                                                                                                                                                                                          WPI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 195
                                                                                                                                                                                                                                                                                                                                                                                       Dumas Milne Edwards J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21-FEB-2000; 2000EP-0200610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-SEP-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                    (GEST ) GENSET
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    therapy;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
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                              and secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP; 46 A; 45 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; expressed chromosome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  protein 5' EST,
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                                                                                                                                                                                                                                                                                                                                                                                       Duclert A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sequence mapping;
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                              vectors.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 21;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      tag;
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                                                                                                                                                                                                                                                                                                                                                                                       Giordano
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     secreted protein; cDNA isolation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB
3.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16;
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Sequence 275

BP;

59 Α;

88

0;

85 G;

43

T; 0 other

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RESULT
AAC03751,
ID AAC0
XX
AC AAC0
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ID AAF948
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Best Local
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Best Local :
                                                                                                                                                                                                                                                                      Matches
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15-AUG-2000;
07-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                          The present invention provides a number of coding sequences and proteins, the over-expression of which is associated with ovarian carcinoma/cancer. These can be used in the diagnosis, treatment and prevention of ovarian cancer, optionally by gene therapy or in the form of a vaccine. The present sequence is an example of one of these sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Isolated polypeptides associated with ovarian carcinomas, nucleic acids that encode them, useful for the prevention treatment of ovarian cancers \boldsymbol{\cdot}
                          06-OCT-2000
                                                               AAC03751;
                                                                                                 AAC03751 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-SEP-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAF94824;
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                                                                                                                                                                                                                                                                                                                                                           Sequence 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 18; Page 120; 189pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-211395/21
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                                                                                                                                                                                                             1 cagcagcagagtcttcatcat 21
                                                                                                                                                                                             CAGCAGCAGAGTCTTCATCAT 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CAGCAGCAGAGTCTTCATCAT 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Stolk JA;
                                                                                                                                                                                                                                                                  h 100.0%;
Similarity 100.0%;
21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORIXA CORP
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ilarity 100.0%;
Conservative
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2000US-0640173.
2000US-0656668.
                        (first entry)
                                                                                                                                                                                                                                                                                                                                                           BP; 129 A; 83 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cancer; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cDNA;
                                                                                                 cDNA; 491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 396
                                                                                                                                                                                                                                                                  0;
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Pred. No.
                                                                                                                                                                                                                                                                                    Score 21;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                           121 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gene therapy; carcinoma; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               coding sequence SEQ ID NO: 15
                                                                                                                                                                                                                                                                    Mismatches
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                                                                                                                                                                                                                                                                                                                                                           62 T; 1 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        w
                                                                                                                                                                                                                                                                                                        DΒ
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                                                                                                                                                                                                                                                                                                    Length 396;
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diagnosis
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RESULT 6
AAV89150;
ID AAV89150;
XX AAV89150;
AC AAV89150;
XX 15-FEB-199
XX 15-FEB-199
XX EST clone
XX Human; sec
KW Human; sec
KW receptor;
KW receptor;
KW gene thera
XX Homo sapic
XX W098454336.
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Matches 21
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      WO9845436-A2
                                                                         Human; secreted protein; expressed sequence tag; EST; haematopoiesis; tissue growth; activin; inhibin; chemotaxis; chemokinesis; haemostatic; receptor; ligand; thrombolytic; anti-inflammatory; cadherin; anti-tumou gene therapy; ss.
                                                                                                                                                                        EST clone CG1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 491
                                                                                                                                                                                                           15-FEB-1999
                                                                                                                                                                                                                                                                                                                                                                           128 CAGCAGCAGAGTCTTCATCAT 108
                                                                                                                                                                                                                                                                                                                                                                                                  1 cagcagcagagtcttcatcat 21
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Similarity 100. 21; Conservative

100.0%;

Score 21; DB Pred. No. 3.7;

21; 0;

Length 491;

0,

Gaps

0;

0;

Mismatches

BP;

149 A; 114 C; 149

G;

78

T; 1 other;

standard; cDNA; 512

entry)

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В

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The present sequence is one of a large number of 5' ESTs derived from mRNAs encoding secreted proteins. An ORF has been identified within the sequence. The 5' ESTs were prepared from total human RNAs or pollyA+ RNAs derived from 30 different tissues. EST sequences usually correspond mainly to the 3' untranslated region (UTR) of the mRNA because they are often obtained from oligo-dT primed cDNA libraries. Such ESTs are not well suited for isolating cDNA sequences derived from the 5' ends of mRNAs and even in those cases where longer cDNA sequences have been obtained, the full 5' UTR is rarely included. 5' ESTs are derived from mRNAs with intact 5' ends and can therefore be used to obtain full length cDNAs and genomic DNAs. 5' ESTs are also used in diagnostic, forensic, gene therapy and chromosome mapping procedures. They are used to obtain upstream regulatory sequences and to design expression and secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; SEQ ID 3749; 71pp + CD-ROM; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 diagnostic, forensic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New nucleic acid that is a 5' expressed sequence tag (5' EST) for obtaining cDNAs and genomic DNAs that correspond to 5'ESTs and for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-500381/45
P-PSDB; AAG03745.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Dumas Milne Edwards
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GEST ) GENSET
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2000EP-0200610
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein 5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gene therapy and chromosome mapping procedures
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EST,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO: 3749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Giordano
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein;
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REGULT 7
AAZ421X
XX
ACC AAZ421
XXY
31-JAN
XX
XX
Human
XX
KW Human;
KW Cancer
XX
Cancer
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present sequence represents a human expressed sequence tag (EST). The polynucleotide, which is a scoreted EST, and the encoded protein are predicted to have useful biological activities which would make them suitable for treating, preventing or ameliorating medical conditions in humans and animals, although no supporting data is given. Suggested activities include nutritional activity, immune stimulating or suppressing activity, haematopoiesis regulating activity, tissue growth activity, activino/inhibin activity, chemotactic/chemokinetic activity, haemastatic and thrombolytic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New polynucleotides encoding human secreted proteins - de.g. human blood, kidney, foetal lung, placenta, testes, ovary, pituitary, retina and colon cDNA libraries.
                                                                                                                                                                                21-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                              Human; bladder; treatment; EST; expressed sequence tag; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                       Human normal bladder tissue cDNA derived EST 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    31-JAN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAZ42136 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     activity, receptor/ligand activity, anti-inflammatory activity, cadherin/tumour invasion suppressor activity, tumour inhibition activity. The polynucleotide may also be useful for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 126; 618pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1999-070077/06.
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  WPI; 1999-602416/52
                                                                                                                                     21-APR-1998;
                                                                                                                                                                                                                                                                      DE19818620-A1
                                                                                                                                                                                                                                                                                                                Homo sapiens
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                                                                                        (META-) METAGEN GES GENOMFORSCHUNG MBH.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 h 100.0%;
Similarity 100.0%;
21; Conservative
                                                                                                                                                                                                                                                                                                                                                         gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                       therapy; ss.
                                             Specht T,
                                                                                                                                                                                .98DE-1018620
                                                                                                                                     98DE-1018620
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Treacy M;
                                             Hinzmann B,
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Pred. No.
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                                             Schmitt A,
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В
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to directly treat this form of cancer (including expression from gene therapy vectors), or are used in a preparation for cancer treatment. (I) is also used for the generation of specific antibodies. (II) are identified by assembling ESTs (expressed sequence tags) from a particular tissue type before comparison of expression patterns. This allows a significantly longer fragment of the gene to be revealed, and therefore reduces the number of failures because of ESTs from different libraries representing different parts of the same unknown gene distorting the estimated frequency of occurrence in a particular tissue. AAX42122-24248 represent EST fragments derived from a human normal bladder tissue cDNA library which encode the protein fragments
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This invention describes novel polypeptide fragment sequences (I) and their encoding nucleic acids (II) which are highly expressed in normal bladder tissue and have cytostatic activity. (II) are used for recombinant expression of (I) and to isolate complete genes. (I) are used to identify agents suitable for the treatment of bladder tumours.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polypeptides and their nucleic acids, useful for treatment bladder tumour and identification of therapeutic agents \cdot
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Matches Query Match Best Local 21; Similarity 100 21; Conservative 100.0%; Score 21; 100.0%; Pred. No. 0; Mismatches DB 3.8; 20; 0, Length 572; Indels 0; Gaps

0

Sequence 572 BP; 161 A; 128 C; 186 G; 97 T; 0 other;

AAA43857 standard; cDNA; 922 Human secreted expressed sequence tag SEQ ID NO:432. 21-AUG-2000 ္က် ဧ (first entry)

Human; mouse; chicken; rat; secreted expressed sequence tag; sSST; expressed sequence tag; SST; probe; chemothactua; proliferative; immunomodulatory; haematopoletic; chemothactua; antipasic; haemastatic; thrombolytic; antifinflammatory; cytostatic; antibacterial; antifungal; antiviral; antidiabetic; antiasthmatic; vulnerary; antiparkinsonian; antiviral; antipartic; antipartic; antiparkinsonian; antiviral; antipartic; antipartic; antipartic; cerebroprotective; anticonvulsant; antidepressant; gene therapy; vaccine; autoimmune disorder; multiple sclerosis; allergic condition; insulin dependent diabetes; asthma; myeloid cell deficiency; ulcer; lymphoid cell deficiency; burn; osteoporosis; osteoarthritis; central nervous system disorder; halpehmer's disease; stroke; parkinson's disease; Huntington's disease; coagulation disorder; halpehmer's disease; stroke; haemophilia; thrombosis; inflammatory disorder; Crohn's disease; infection; depression; psoriasis;

Homo sapiens.

15-OCT-1999; 99WO-US24206

20-APR-2000

15-OCT-1998; 98US-0104436

(GEMY) GENETICS INST INC

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ANS44948/
XX ANS4
AC AAS4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              chemotactic; proliferative; immunomodulatory; haematopoietic; chemokinetic; analgesic; haemostatic; thrombolytic; antiinflammatory; cytostatic; antibacterial; antifungal; antiviral; antidiabetic; antiasthmatic; vulnerary; antificer; osteopathic; neuroprotective; nootropic; antiparkinsonian; antipsoriatic; cerebroprotective;
                                                                                                                                                                                                                                                                                                    Human; secreted protein; arthritis; Crohn's disease; sepsis; shock; ischaemia-reperfusion injury; haematopoiesis; cancer; neuropathy; transgenic animal; Alzheimer's disease; Parkinson's disease; burn; amyotrophic lateral sclerosis; platelet disorder; thrombocytopenia; ulcer; osteoporosis; bone degenerative disorder; periodontal disease; gut protection; lung; liver fibrosis; immune deficiency; infection; severe combined immunodeficiency; SCID; autoimmune disorder; allergy; multiple sclerosis; rheumatoid arthritis; diabetes mellitus; asthma; multiple sclerosis; rheumatoid arthritis; diabetes mellitus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sequence tags (SESTs), isolated from human, mouse, chicken itissue sources. The SESTs can have a range of activities dependent the tissues they were isolated from. The activities include
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAA43426 to AAA45925 represent specifically claimed sequence tags (SESTs), isolated from human, mouse,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Isolated polynucleotides, and encoded proteins, comprising secreted expressed sequence tags (SESTs), useful for treating various disorders such as autoimmune, infectious, and central nervous system disorders -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Merberg
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                                                                                                                                                                                                                                                                      analgesic;
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                                                                                                                                                                                                                                                                      pain; antigen;
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Bowman MR;
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Pred. No.
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RESULT 10 AAQ11503/c ID AAQ115 XX

AAQ11503

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Query Best L Matches

Local Match

L Similarity 21; Conser

Conservative

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Mismatches

100.0%;

Score Pred.

21;

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Length 1568;

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Sequence

В₽;

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other;

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CC ischaemia-reprefusion injury shock, sepsis, immune responses, and is cinvolved in increasing haematopolesis, stem cell survival, bone growth can demodeling. (1), (11) and modulators of (11) are useful for corporating transgenic animals useful for studying the in vivo activities of the polypeptide as well as for studying modulators of the polypeptides. (1) induces the proliferation of neural cells and regeneration of nerve cancers. (11) is also useful for the polypeptides. (1) induces the proliferation of neural cells and regeneration of nerve can brain tissue and is useful for the treatment of central and cells are repeated in the proliferation of neural cells and regeneration of nerve cartivity, regulation, (1) is involved in chemotactic or chemokinetic cartivity, regulation of haematopolesis and is useful for treating myeloid cor lymphoid cell disorders, platelet disorders such as thrombocytopenia and for regeneration of bone, cartilage, tendon, ligament and/or nerve tissue growth, and in tissue repair, healing of burns, incisions, culcers, for treating osteoporosis, osteoarthritis, bone degenerative culcers, for treating osteoporosis, osteoarthritis, bone degenerative culcers, for treating osteoporosis, osteoarthritis, bone degenerative culcers in injury in various tissues, various immune deficiences and culculations, such as asthma or other respiratory problems. Creparius in and conditions, such as asthma or circadian cycles of rhythms. Creations and conditions, such as asthma or circadian cycles of rhythms. Cartabolism, anabolism, storage or elimination of cartaily and can act as an antigen in a vaccine composition to raise an culcular sequences of the invention.
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19-MAY-2000;
17-JUN-2000;
14-JUL-2000;
19-SEP-2000;
20-OCT-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel polypeptides and nucleic acids obtained from cDNA libraries prepared from various human tissues, for diagnosis and treatment cancer, neurological, inflammatory, and autoimmune disorders -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-MAR-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to novel isolated human secreted polypeptides (I) and (II) are useful for treating inflammatory conditions such as arthritis, nephritis, Crohn's disease,
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; 2000US-0574454.
; 2000US-0596193.
; 2000US-0616847.
; 2000US-0665363.
; 2000US-0693267.
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Zhang J,
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ing J, Chen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 æ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ren F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ma Y,
Wang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 of.
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ARESULT 1
AAH230A91
ID AAH2
XX AAH2
XX AAH2
XX AAH2
XX OSte
XX Oste
XX Oste
XX Vuln
XX Vuln
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                                                                                                                                                                                         S
                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                       Query Match
Best Local
                                                                                                                                                                                                                                                                                  Two probes were prepared based on the known partial amino acid sequences of both chains of the Cytolysis Inhibitor and used to screen a liver-specific cDNA library. One clone which hybridised positively to both probes was found to contain a 1.7kb BamHI-KpnI fragment. This was inserted into plasmid positive pGEMA/ZI-1. E.coli transformed with the plasmid are deposited under DSM # 5269. The insert has the sequence given in this file.
          Osteoarthritis; infectious disorder; Crohn's disease; sepsis; human; wound healing; osteopathic; anti-arthritic, anti-inflammatory; vulnerary; antibacterial; antiallergic; ds.
                                                                                                                                                                                                                                                                                                                                                                                  Claim 2; Page 8; 15pp; German
                                                                                                                                                                                                                                                                                                                                                                                                                 of terminal of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  mat_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sig_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cytolysis inhibitor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cytolysis Inhibitor gene
                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1991-118338/17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tschopp J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-OCT-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-OCT-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-APR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DE3933850-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-JUN-1991
                                                      Osteoarthritis tissue-derived nucleic acid sequence #16.
                                                                                                                                                                                                                                                                  Sequence 1651 BP;
                                                                                                                                                                                                                                                                                                                                                                                                        CELLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAQ11503;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SCHD ) SCHERING AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          infertility;
                                                                                                                   AAH23086 standard;
                                                                                                                                                                       216
                                                                                                                                                                      sequence coding for cytolysis inhibitor - is strong inhibitor terminal complement protein, e.g. perforin secreted by killer
                                                                                                                                                                                                                21;
                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Jenne D;
                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           89DE-3933850.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                89DE-3933850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /*tag= a
262..1542
/*tag= b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
199..261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /product=
                                                                                                                                                                                                                                                                  405
                                                                                                                   DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   perforin; immunological effector molecule;
                                                                                                                                                                                                                       100.
                                                                                                                                                                                                                                                                 A; 481 C;
                                                                                                                                                                                                                        .0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cytolysis inhibitor
                                                                                                                                                                                                               0;
                                                                                                                                                                                                                          Score 21;
Pred. No.
                                                                                                                                                                                                                                                                  447
                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                  <u>د</u>;
                                                                                                                                                                                                                                                                  318 T;
                                                                                                                                                                                                                          DB
4.3;
                                                                                                                                                                                                                                   12;
                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                0
                                                                                                                                                                                                                                                                  other;
                                                                                                                                                                                                                                  Length 1651;
                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                0;
                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                0;
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0;

Mismatches

0;

Indels

0

0

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Query Match
Best Local S
Matches 21
                                                                                                     Sequences AAH23071-23152 represent nucleic acid sequences derived from osteoarthritis tissues. The sequences are useful as probes and for the diagnosis or prognosis of mammalian osteoarthritis. The polynucleotides and polypeptides of the invention are useful for generating diagnostic reagents, as targets for small molecule drug development, generation of therapeutics, and cloning genes. Specific antibodies are used to generate enzyme linked immunosorbent assays for detection of osteoarthritis. The invented molecules can be used to treat osteoarthritis or to analyse the disease-modifying activity of osteoarthritis drugs. Other disorders treatable using the nucleic acid sequences include atopic, inflammatory and infectious disorders e.g. Crohn's disease and sepsis, and wound
                                                                                                                                                                                                                                                                                                      mammalian osteoarthritis
                                                                                                                                                                                                                                                                          Claim 1; Page 102-103; 144pp;
                                                                                                                                                                                                                                                                                                                                Substantially
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
                                                                 Sequence 1678
                                                                                                                                                                                                                                                                                                                      identify
                                                                                                                                                                                                                                                                                                                                                                                       Phippard D,
                                                                                                                                                                                                                                                                                                                                                                                                                                              18-JAN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-JUL-2001
                                                                                                                                                                                                                                                                                                                                                             2001-451914/48
21; Conservative
                                                                                                                                                                                                                                                                                                                    ರಾ
                                                                                                                                                                                                                                                                                                                lly purified protein, biologically active
                                                                                                                                                                                                                                                                                                                                                                                       Vasanthakamur
                                                                                                                                                                                                                                                                                                                                                                                                                                              2000US-0176523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2001WO-US00016
                                                                 BP;
                                                                 424 A;
             100.0%;
                                                                 491 C;
                                                                                                                                                                                                                                                                                                                                                                                       e,
             Score
Pred.
                                                                                                                                                                                                                                                                          English.
                                                                                                                                                                                                                                                                                                                   , polypeptide or their fragments, used to compound or composition and treat
                                                                                                                                                                                                                                                                                                                                                                                       Dotson
                                                                  450
             NO.
                                                                 <u>و</u>;
                                                                                                                                                                                                                                                                                                                                                                                       s
                                                                    313 T; 0 other;
          ДВ
1.3;
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                         22;
                         Length 1678;
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RESULT 12
AAX24790/C
ID AAX247
AC AAX247
AC AAX247
AC AAX247
XX 21-JUN
XX 21-JUN
XX Interl
XX Interl
KW Interl
KW human:
KW pronias
KW pronias
KW primen
KW primen
XX primen
XX 15Chem
XX 15Chem
XX 17Chem
XX 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      δÃ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Interleukin-18 binding protein: IL-18BP; IL-18BPa; splice variant human; autoimmune disease; inflammation; diabetes; pancreatitis; rheumatoid arthritis; graft rejection; sepsis; chronic hepatitis; psoriasis; inflammatory bowel disease; multiple sclerosis; ischemic heart disease; ischemic brain injury; gene therapy; PCR;
                                                      13-AUG-1998;
                                                                                                                                                         25-FEB-1999
                                                                                                                                                                                                                                                       WO9909063-A1
                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Interleukin-18 binding protein splice variant IL-18BPa PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21-JUN-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAX24790 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              90 CAGCAGCAGAGTCTTCATCAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 cagcagcagagtcttcatcat
                                                                                                                                                                                                                                                                                                                                                    sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                      98WO-IL00379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                splice variant,
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AAT64832/C
ID AAT648
XX AAT648
AC AAT648
AC AAT648
AC AAT648
XX O4-SEP
XX O4-SEP
COTAL
KW COTAL
KW LIMMUNC
XX MICTUIT
XX FT CDS
FT CDS
FT CDS
FT POlyA,
FT POlyA,
FT POlyA,
FT PO
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Best Local S
Matches 19
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14-AUG-1997;
27-AUG-1997;
29-SEP-1997;
06-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                      The present sequence is a reverse primer that was used with a forward primer (see AAX24754) in the PCR amplification of the coding region of a cDNA clone (see AAX24749) coding for human interleukin-18 binding protein splice variant IL-18BPa (see AAW98004). The PCR products were cut with XbaI and cloned into the XbaI site of the EF-BOS expression vector. IL-BP18a was expressed in transfected COS7 cells. The invention provides IL-18BP polypeptides capable of binding IL-18 and/or modulating and/or blocking IL-18 activity. These can be used to treat conditions requiring the protein (claimed), such as autoimmune diseases, type I diabetes, rheumatoid arthritis, graft rejections, inflammatory bowel disease, sepsis, multiple sclerosis, ischemic heart diseases, ischemic brain injury, chronic hepatitis, psoriasis, and chronic/acute pancreatitis.
                                                                                                                                             Micrurus corallinus.
                                                                                                                                                                                                          04-SEP-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 7; Page 39; 100pp; English.
                 BR9403020-A
                                                             polyA_signal
                                                                                       sig_peptide
                                                                                                                                                                       Coral cobra;
                                                                                                                                                                                        Coral cobra venom protein cDNA clone V1
                                                                                                                                                                                                                            AAT64832;
                                                                                                                                                                                                                                            AAT64832 standard; cDNA; 417 BP
                                                                                                                                                                                                                                                                                                                                                                         Sequence 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (YEDA ) YEDA
                                                                                                                                                              immunodominant;
                                                                                                                                                                                                                                                                                          42
                                                                                                                                                                                                                                                                                                                            Local Similarity 90.
mes 19; Conservative
                                                                                                                                                                                                                                                                                                           ب
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               interleukin-18 binding
                                                                                                                                                                                                                                                                                          CAGCAGCAGGGTCATCATCAT 22
                                                                                                                                                                                                                                                                                                   cagcagcagagtcttcatcat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1999-180975/15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      including autoimmune
                                                                                                                                                                                                                                                                                                                                                                         BP;
                                                                                                                                                                      snake venom; toxin; snakebite;
                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RES & DEV CO LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kim SH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     98IL-0125463.
97IL-0121554.
97IL-0121639.
97IL-0121860.
97IL-0122134.
                                                                                                                                                               SS
                                                                                                                                                                                                                                                                                                                                                                         13
                                                                                      /product=
15..77
                                            /*tag=
417
                                                             /note- "deduced 401..406
                                                                                                                           Location/Qualifiers
                                                                               /*tag=
                                                                                                           /*tag=
                                                                                                                                                                                                                                                                                                                                                                        A; 8 C;
                                                                                                                                                                                                                                                                                                                                    84.8%;
90.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novick
                                    ۵
                                                     a
                                                                                                putative_toxin
                                                                                                                                                                                                                                                                                                                                                                         13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein - u
mune disease
                                                                                                                                                                                                                                                                                                          21
                                                                                                                                                                                                                                                                                                                            0,
                                                                                                                                                                                                                                                                                                                                      Pred.
                                                                                                                                                                                                                                                                                                                                              Score
                                                                                                                                                                                                                                                                                                                                                                         G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ď
                                                                      λq
                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                         16
                                                                                                                                                                                                                                                                                                                                   ± 17.8; L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rubinstein
                                                                     comparison to homologous sequences"
                                                                                                                                                                                                                                                                                                                                                                         ₽,

    useful for treating human

                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and inflammation
                                                                                                                                                                                                                                                                                                                                                                         other;
                                                                                                                                                                                                                                                                                                                                              DB
                                                                                                                                                                       antidote; antiserum;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3
                                                                                                                                                                                                                                                                                                                                              20;
                                                                                                                                                                                                                                                                                                                           2;
                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                              50;
                                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                            0:
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20
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RESULT 14
AAT64834/c
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                     CDS
                                                                                                                                                                                                                                                                               Coral cobra; sn immunodominant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            deduced amino acid sequence. The toxins can be used for pantisera to treat coral cobra bites. (N.B. The numbering shown on Figure 7 gives the sequence 447 nucleotides long).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The abundant 07 cDNAs which code for immunodominant toxins from the poison glands of the coral cobra (Micrurus corallinus) have been identified and cloned. The present sequence is that of cDNA clone VI. The sequences from clones VI. V3 and V7 (see AATG64832 AATG64833 and AATG64834) are all very similar, with V3 and V7 giving the same deduced amino acid sequence. The toxins can be used for preparing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; Fig
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  engineering 
snake bites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Coral cobra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1996-434245/44.
P-PSDB; AAW18568.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HO PL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (BUTA-)
(HOPL/)
03-SEP-1996
                                                                                                                                                      sig_peptide
                                                                                                                                                                                                                                                  Micrurus corallinus.
                                                                                                                                                                                                                                                                                                                              Coral
                                                                                                                                                                                                                                                                                                                                                           04-SEP-1997
                                                                                                                                                                                                                                                                                                                                                                                           AAT64834;
                                                                                                                                                                                                                                                                                                                                                                                                                       AAT64834 standard; cDNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 417 BP; 103 A; 94 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-AUG-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30-AUG-1994;
                            BR9403020-A
                                                                          polyA_site
                                                                                                        polyA_signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 cagcagcagagtcttcatcat 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity 90.1
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HO P L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              venom toxin cDNA - and prepn of the venom by genetic or chemical synthesis for prodn. of antiserum to treat
                                                                                                                                                                                                                                                                                                                              venom protein
                                                                                                                                                                                                                                                                                              snake venom;
                                                                                                                                                                                                                                                                                                                                                           (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7(A); 16pp; Portuguese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          94BR-0003020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          94BR-0003020
                                                                                                        /note= "0
402..407
                                                                                                                                                      /product=
16..78
                                                                                     /*tag=
                                                                                                                                   /*tag=
                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                       /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               84.8%;
90.5%;
                                                                                                                       "deduced by comparison to homologous sequences"
                                                                                           c
                                                                                                                                                                                                                                                                                                                                                                                                                           418
                                                                                                                                                                     putative_toxin
                                                                                                                                                                                                                                                                                                toxin; snakebite;
                                                                                                                                                                                                                                                                                                                            cDNA clone V7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0,
                                                                                                                                                                                                                                                                                                                                                                                                                           ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              91 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Τ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0 other;
                                                                                                                                                                                                                                                                                                antidote; antiserum;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  417;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             as being
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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30-AUG-1994;

94BR-0003020

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RESULT 15
AAT64833/C
ID AAT648
XX AAT648
XX AAT648
XX COTAL
XX COT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the poison glands of the coral cobra (Micrurus corallinus) have been identified and cloned. The present sequence is that of cDNA clone V3. The sequences from clones V1, V3 and V7 (see AAN64832, AAT64833 and AAT64834) are all very similar, with V3 and V7 giving the same deduced amino acid sequence. The toxins can be used for preparing antisera to treat coral cobra bites.

(N.B. The numbering shown on Figure 7 gives the sequence as being 449 nucleotides long).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Coral cobra venom toxin cDNA - and prepn of the venom by genetic engineering or chemical synthesis for prodn. of antiserum to treat snake bites
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                                                  30-AUG-1994;
                                                                                                                                             BR9403020-A
                                                                                                                                                                                                                 polyA_site
                                                                                                                                                                                                                                                               polyA_signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Coral cobra; snake venom;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Coral cobra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-SEP-1997
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  30-AUG-1994;
                                                                                                03-SEP-1996
                                                                                                                                                                                                                                                                                                                                      sig_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Micrurus corallinus
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426
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(N.B. The numbering shown on Figure 7 gives the sequence as being 457 nucleotides long).
                                                                                                                                                                                                                                                                                                         Coral cobra venom toxin cDNA - and prepn of the venom by genetic engineering or chemical synthesis for prodn. of antiserum to trea
                                                                                                                                                                                                                                                                     Claim 1;
                                                                                                                                                                                                                                                                                               snake bites
                                                                                                                Sequence 426 BP;
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19; Conserv
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396 bp DNA w00118046. rdata; Craniata; nates; Catarrhini and methods of u 15-MAR-2001; fiers o sapiens" n:9606" ,C or G" 21 g 62 t	SP488 SP488 O20086 O2008	3197 RPM2A 77
linear Vertebrata; Hominidae; se therefor	BC0195 X14723 AX20208 AX20208 BC01051 M63761 AF23510 AF23510 AF211885 AF6323 AF6323 AF6588 U86589 U86597 U86596 U86597 G09801 AF77622 AF09892 AF14732 AF147562	AX09 M6477 A215 M259
PAT 30-MAR-2001 ; Euteleostomi; e; Homo.	BC01958B Homo sapi X1473 human SP-40 AX202086 Sequence BC010514 Homo sapi M63376 human TRPM AF235104 Homo sapi AF235104 Homo sapi AF2351 Dog glycopr AF118852 Oryctolag AF063235 Pig complem AF023271 Naja sputat U86591 Naja sputat U86591 Naja sputat U86594 Naja sputat U86594 Naja sputat U86596 Naja sputat U86597 Naja sputat U86597 Naja sputat U86597 Naja sputat U86597 Naja sputat U86598 Naja sputat U86597 Naja sputat U86597 Naja sputat U86597 Naja sputat U86598 Naja sputat U86597 Naja sputat U86597 Naja sputat U86597 Naja sputat U86597 Naja sputat U86597 Naja sputat U86597 Naja sputat CO9801 human STS AF27622 Naja sput AF77623 Naja sput AF197563 Micrurus X53410 D. angustice X52460 bendroaspis AF197563 Micrurus X53412 Bungarus mu X16950 Laticauda AF197564 Micrurus X51412 Bungarus mu X16950 Laticauda AF197563 Naja sput AF197564 Micrurus X16950 Laticauda AF197563 Naja sput AF197564 Micrurus	7 Sequence Human TRPM blood plas

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                                                                   CAGCAGCAGAGTCTTCATCAT 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Molecular characterization of human TRPM-2/clusterin, a gene associated with sperm maturation, apoptosis and neurodegeneration Eur. J. Blochem. 221 (3), 917-925 (1994)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Genomic organization and expression of the rat TRPM-2 (clusterin) gene, a gene implicated in apoptosis
J. Biol. Chem. 268 (7), 5021-5031 (1993)
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                                                                                                                                    h 100.0%;
Similarity 100.0%;
21; Conservative
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ilarity 100.0%;
Conservative
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EFPKSRIVRSLMPFSPYEPLRHAMFQPFLEXHHEAQQAMDIHFHSPAFQHFPTEFIN
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ERLTRKYNELLKSYQWKMLNTSSLLEQLNEQFNWVSRLANLTQGEDQYYLRVTTVASH
TSDSDVPSGYTEVVVKLFDSDPITVTVPVEVSRKNPKFMETVAEKALQEYRKKHREE"
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                                                                                                            Proc. Natl. Acad. Sci. U.S.A. 89386692
                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1651)

Jenne, D.E. and Tschopp, J.

Molecular structure and functional characterization of a human complement cytolysis inhibitor found in blood and seminal plasma: Identity to sulfated glycoprotein 2, a constituent of rat testis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          blood plasma glycoprotein; complement cytolysis inhibitor; secretory glycoprotein; seminal plasma protein; soluble te complement complex (C5b-9s) component.

Human (adult) liver, cDNA to mRNA, clone CLI-1.

Homo sapiens
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Human complement cytolysis inhibitor (CLI) mRNA, complete cds.
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Draft entry and computer-readable sequence for [1] kindly submitted by D.E.Jenne, 05-JUL-1989.
Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1651)
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/translation="MKTLLEVGLLTWESGQVLGDQTVSDNELQEMSNQGSKYVNKE
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ETMMALMEECKPCLKQTCMKFYARVCRSGSGLVGRQLEEFLNQSSPFYFMNGDRIDS
LLENDRQQTHMLDVMQDHFSRASSIIDELFQDRFTREPQDTYVLPFSLPHRRPHFF
EPKSRTYRSLMAPFSPYEPLNFHAMFQDFLEMIHEAQQAMDIHFHSPARFQHPPHFFIR
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EPKSRTYRSLMAPFSPYEPLNFHAMFQDFLEMIHEAQQAMDIHFHSPARFQHPHFSLQVAE
RUDDRTVCREIRHNSTGCLRMKDQCDKCREILSVDCSTNNPSQAKLREEDDSSLQVAE
RUTRKYNBELKSYQWKMLNTSSLLEQLMEQFNWSRLNLTGGEBQYYLRVTTVASHT
SDSDVPSGVTETVVKLEDSDPITVTVPVEVSRKNPKFMETVAEKALQEYRKKHREE"

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/product="blood plasma componenet having a biological activity of inhibiting cytolysis mediated by a cytoly protein"
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/db_xref="GI:579602"
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unreported.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov series: IRAK Plate: 29 Row: m Column: 21
                                                                                                                                                                                                                            NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Email: cgapbs:remail.nih.gov
Tissue Procurement: David N. Louis, M.D.
CDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genome
                                                                                                                                                                                                                                                                                                                                                                                Direct Submission
Submitted (19-DEC-2001) National Institutes of Health, Mammalian Submitted (19-DEC-2001) Cancer Genomics Office, National Cancer Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                               Contact: amg@bcm.tmc.edu
Gunaratne, P.H., Garcia, A.M., Lu,
Yoon, V.S., Kowis, C.R., Lawrence,
Richards, S., Gibbs, R.A.
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                                                                                                                                                                                                        DNA Sequencing by: Baylor College Sequencing Center
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BC019588.1
                                                                                                                                                                 Web site: http://www.hgsc.bcm.tmc.edu/cdna/
                                                                                                                                                                                   Center code: BCM-HGSC
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ETMMALWEECKPCLKQTCMKFYARVCRSGSGLVGRQLEEFLNQSSPFYFWMNGDRIDS
LLENDRQQTHMLDVMQDHFSRASSIIDELFQDRFFTREPQDTYHYLPFSLPHRRPHFF
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GDDDRTVCREIRHNSTGCLRMKDQCDKCREILSVDCSTNNPSQAKLRRELDESLQVAE
RLTRKYNELLKSYQWKMLNTSSLLEQLNEQFNWVSRLANLTQGEDQYYLRVTTVASHT
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/db_xref="GI:180620"
/trans1ation="MKTLLLFVGLLLTWESGQVLGDQTVSDNELQEMSNQGSKYVNKE
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/db_xref="taxon:9606"
199. .1545
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                                                                                                                               pirect Submission
Submitted (17-MAR-1989) Kirszbaum L., The University of Melbourne,
Submitted (17-MAR-1989) Kirszbaum L., The University of Melbourne,
The Preclinical Centre, School of Veterinary Science, Parkville
Victoria 3052, Australia
(hases 1 to 1676)
Kirszbaum, L., Sharpe, J.A., Murphy, B., d'Apice, A.J., Classon, B.,
Hudson, P. and Walker, I.D.
Wolszbaum, L., Sharpe, J.A., Murphy, B., d'Apice, A.J., Classon, B.,
Hudson, P. and Walker, I.D.
Molecular cloning and characterization of the novel, human
complement-associated protein, SP-40,40: a link between the
complement and reproductive systems
EMBO J. 8 (3), 711-718 (1989)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human SP-40,40 mRNA for complement-associated protein alpha-1 and beta-1 chain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This clone was selected for full length sequencing because passed the following selection criteria: matched mRNA gi: Location/Qualifiers
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21; Conserv
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Mammalia; I
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                                                                            sequence overlaps with that reported a. Invest. 81:1858-1864(1988).
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ERLTRKYNELLKSYQWKMLNTSSLLEQLNEQFNWVSKLANLTQGEEQYYLKVTTVASH
TSDSDVPSGVTEVVVKLFDSDTITVTVEVSRKNPKFMETVAEKALQEYRKKHREE"
486 c 439 g 310 t
/organism="Homo sapiens"
/db_xref="taxon:9606"
                                                         Location/Qualifiers
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/lab_host="DH10B"
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/db_xref="taxon:9606"
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Phippard, D., Vasanthakamur, G., Dotson, S. and Ma, X.J.
Osteoarthritis tissue derived nucleic acids, polypeptides, vector:
                                                                                                                                                                                                   Patent: WO 0153531-A 16 26-JUL-2001;
Pharmacia Corporation (US)
Location/Qualifiers
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AX202086
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/tissue_type="liver"
/clone_lib="lambda gt11"
48 .113
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/db_xref="taxon:9606"
491 c 450 g 31
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1622..1627
/note="pot. polyA signal"
488 c 437 g 315 t
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EGDDDRTVCREIRHNSTGCLRMKDQCDKCREILSVDCSTNNPSQAKLRRELDESLQVA
ERLTRKYNELLKSYQWKMLNTSSLLEQLNEQFNWVSRLANLTQGEDQYYLRVTTVASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /translation="MMKTLLLEVGLLLTWESGQVLGDQTVSDNELQEMSNQGSKYVNK EIQNAVNGVKQIKTLIEKINEERKTLLSNLEEAKKKEDALNETRSETKLKELEGVC NETWAALMEECKPCLKQTKKYYAKVCSRISGSLVGKQLEEFLNQSSFYFYMMKOENID SLLENDRQQTHMLDVMQDHFSRASSIIDELFQDRFFTREPQDTYHYLDFSLPHRRPHF
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/db_xref="GI:30251"
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acids, polypeptides, vectors,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Web site: http://www.hgsc.bcm.tmc.edu/cdna/
Contact: villalon@bcm.tmc.edu.
Villalon, D.K., Luna, R.A., Hale, S.M., Hulyk, S.,
A.M., Holloway, M., Telford, B, Hodgson, A., Bouck,
Muzny,D.M., Gibbs,R.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.

cDNA Library Preparation: Life Technologies, Inc..

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Baylor College of Medicine Human Genom

Sequencing Center

Sequencing Center
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BC010514 PRI 1
HOMO Sapiens, clusterin (complement lysis inhibitor, SP-4
sulfated 9lycoprotein 2, testosterone-repressed prostate
apolipoprotein J), clone MGC:18080 IMAGE:4150452, mRNA, c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Center code: BCM-HGSC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Strausberg, R.
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Mammalia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
/db_xref="LocusID:1191"
/db_xref="Laxon:9606"
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/clone_lib="MCI_CGAP_Brn64"
/lab_host="DH10B"
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                                                                                                                                                                                                                                                             /codon_start=1
/product="clusterin (complement lysis inhibitor, product="clusterin 2, testosterone-repressed | sulfated glycoprotein 2, testosterone-repressed | message 2, apolipoprotein 3)"
/protein_id="AAH10514.1"
/db_xref="GI:14714714"
                                                EGDDDRTVCREIRHNSTGCLRMKDQCDKCREILSVDCSTNNPSQAKLRRELDESLQVA
ERLTRKYNELLKSYQWKMLNTSSLLEQLNEQFNWVSRLANLTQGEDQYYLRVTTVASH
TSDSDVPSGVTEVVVKLFDSDPITVTVPVEVSRKNPKFMETVAEKALQEYRKKHREE"
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                                                           REFERENCE
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Matches 21
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MEDLINE
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                                                                                                                                                                    sequence.
AF235104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Genomic organization and expression of the rat TRPM-2 (clusterin) gene, a gene implicated in apoptosis J. Biol. Chem. 268 (7), 5021-5031 (1993)
                                                                                                                                                                                           AF235104 175382 bp DNA
Homo sapiens chromosome 8 clone GS1-251107
                                                                                                                                                                                                                                                                                                                                                   Similarity
21; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TRPM-2 protein
                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 175382)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Molecular characterization of human TRPM-2/clusterin, a gene associated with sperm maturation, apoptosis and neurodegeneration Eur. J. Biochem. 221 (3), 917-925 (1994)
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Unpublished
              Chromosome 8 genomic sequence
                             Wen,G., Reichwald,K., Baumgart,C.,
Platzer,M.
                                                                                                       Homo sapiens
                                                                                                                                   AF235104.3 GI:18543385
HTG; HTGS_FULLTOP; HTGS_ACTIVEFIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     93186813
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/db_xref="taxon:9606"
1422. .1469
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
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Pred. No. 10;
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                                          Taudin, S., Baumgart, C. and
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Reichwald,K., Menzel,U., Dette,M., Baumgart,C., Jahn,N.,
Schillhabel,M. and Rosenthal,A.
              AC025192
AC025192.3 GI:12313839
HTG; HTGS_PHASE1; HTGS_DRAFT
                                                                    AC025192 187453 bp Homo sapiens chromosome 8 clone SEQUENCE, 7 unordered pieces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence Quality Assessment:
This entry has been annotated with sequence quality estimates computed by the Phrap assembly program.
All manually edited bases have been reduced to quality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (24-MAY-2000) Genome Analysis, Institute of Molecular Biotechnology, Beutenberstr. 11, Jena 07745, Germany
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Direct Submission
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                                                                                                                                                                                                                                                                               Similarity 100.
21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Quality levels above 40 are expected to have less than 1 error in 10,000 bp.
Base-by-base quality values are not generally visible from the GenBank flat file format but are available as part of this entry's ASN.1 file.
                                                                                                                                                                                                                                                                                                                                                                                                46563
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Center clone name: GSI-25107

Sequencing vector: M13; 100% of reads

Sequencing vector: M13; 100% of reads

Chemistry: Dye-terminator H19 Dye; 100% of reads

Assembly program: Phrap; version 0.990329

Consensus quality: 172785 bases at least Q40

Consensus quality: 174289 bases at least Q20

Consensus quality: 174282 bases at least Q20

Quality coverage: 6.88 x in Q20 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                            /clone="GS1-251107"
38626 c 38604 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo'sapiens"
/db_xref="taxon:9606"
/chromosome="8"
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                                                                                                                                                                                                                                                                                                                                                                                                                                   /map="8p12"
                                                                                                                                                                                                                                                                                                   100.0%;
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                                                                                                                                                                                                                                                                                                   Score 21; DB Pred. No. 9.3;
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                                                                                       DNA linear HTG 13-MAY-2001
RP11-509E2 map 8, WORKING DRAFT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Campoplano, A., Castle, A., Choepel, Y., Colangelo, M., Collins, S., Collymore, A., Cooke, P., DeArellano, K., Dewar, K., Diaz, J.S., Dodge, S., Domino, M., Doyle, M., Ferreira, P., Fitzhugh, W., Gage, D., Galagan, J., Gardyna, S., Ginde, S., Goyette, M., Graham, L., Grand-Pierre, N., Grant, G., Hagos, B., Heaford, A., Horton, L., Klein, J., Lancque, K., Lamazares, R., Landers, T., Lehoczky, J., Levine, R., Lieu, C., Liu, G., Locke, K., Macdonald, P., Marquis, N., McCarthy, M., McEwan, P., McGurk, A., McKernan, K., McPheeters, R., Meldrin, J., Meneus, L., Mihova, T., Miranda, C., Menga, V., Morrow, J., O'Neil, D., Olivar, T., M., Norman, C.H., O'Connor, T., O'Donnell, P., O'Neil, D., Olivar, T., Raymond, C., Riley, R., Rogov, P., Rothman, D., Stange-Thomann, N., Scojanovic, N., Subramanian, A., Talamas, J., Tesfaye, S., Thedoore, J., Tirreil, A., Travers, M., Triglio, J., Vassillev, H., Vlel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W.J., Voung, G., Zainoun, J., Zimmer, A. and Zody, M.
                                                                                                                                                                                                                                                                                                                                                               Center project name: L559_E_2

Center clone name: 509_E_2

Center clone name: 509_E_2

Center clone name: $09_E_2

Center clone name: $09_E_2

Sequencing vector: M13; M77815; 48% of reads

Sequencing vector: Plasmid; n/a; 52% of reads

Sequencing vector: Plasmid; n/a; 52% of reads

Sequencing vector: Plasmid; n/a; 52% of reads

Sequencing vector: B1g Dye; 100% of reads

Consensus quality: 185120 bases at least Q40

Consensus quality: 185120 bases at least Q20

Consensus quality: 186074 bases at least Q20

Insert size: 186083; surnof-contigs

Quality coverage: 8.9 in Q20 bases; agarose-fp

Quality coverage: 8.9 in Q20 bases; agarose-fp

Quality coverage: 8.3 in Q20 ba

* NOTE: This is a 'working draft' sequence. It currently

consists of 7 contigs. The true order of the pieces

* is not known and their order in this sequence record is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Birren,B., Linton,L., Nusbaum,C., Lander,E., Abraham,H., Allen,N., Anderson,S., Baldwin,J., Barna,N., Bastien,V., Beda,F., Boguslavkly,L., Boukhgalter,B., Brown,A., Burkett,G.,
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 187453)
Birren,B., Linton,L., Nusbaum,C. and Lander,E.
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                                                                                                                                                                                                                                                                                               arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown This record will be updated with the finished sequence {\sf This} record will be updated with the finished sequence
                                                                                                                                                                                                                                         as soon as it is available and the accession number will be preserved.
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20279 20378: gap of 100 bp
20379 35742: contig of 15364 bp in length
35743 35842: gap of 20571 bp in length
35843 65413: contig of 29571 bp in length
65414 65513: gap of 100 bp
65514 112793: contig of 47280 bp in length
                                                                                                                                                     1 17773: contig of 17773 bp in length
17774 17873: gap of 100 bp
17874 20278: contig of 2405 bp in length
                                                                                                                                       REFERENCE
AUTHORS
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1 cagcagcagagtcttcatcat 21
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                                                                             Submitted (04-OCT-2000) Genome Analysis, Institute of Molecular Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany 3 (bases 1 to 234431) Wen,G. and Platzer,M.
Direct Submission
Submitted (06-FEB-2002) Genome Analysis, Institute of Mole Biotechnology, Beutenberstr 11, Jena, Thuringia 07745, Ge On Feb 6, 2002 this sequence version replaced gi:14389409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AF311103 234431 bp
Homo sapiens chromosome 8 clone
                                                                                                                                                                                                              Blechschmidt,K., Jandrig,B., Baumgart,C., Dette,M.D., Jahn,N., Menzel,U., Schilhabel,M.B., Wen,G., Taudien,S. and Rosenthal,A.
                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 234431)
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HTG; HTGS_FULLTOP; HTGS_ACTIVEFIN.
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112894 150031: contig of 37138 bp
150032 150131: gap of 100 bp
150132 187453: contig of 37322 bp
Location/Qualifiers
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43372 c 44058 g
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17874. .20278
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/clone_lib="RPCI-11 Human Male BAC"
1. .17773
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huringia 07745, Germany
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                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.

1 (bases 1 to 1636)

Hartmann, K., Rauch, J., Urban, J., Parczyk, K., Diel, P., Pilarsky, C., Appel, D., Haase, W., Mann, K., Weller, A. and Koch-Brandt, C. Molecular cloning of gp 80, a glycoprotein complex secreted by kidney cells in vitro and in vivo. A link to the reproductive system and to the complement cascade

5. Biol. Chem. 266, 9924-9931 (1991)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence Quality Assessment:
This entry has been annotated with sequence quality estimates computed by the Phrap assembly program.
All manually edited bases have been reduced to quality zero quality levels above 40 are expected to have less than 1 error in 10,000 bp.
Base-by-base quality values are not generally visible from GenBank flat file format but are available as part of this entry's ASN.1 file.
                                                                                                                                                                                                                                                                                                                                                                                                  glycoprotein 80.
Canis familiaris kidney cDNA to mRNA.
Canis familiaris
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Chemistry: Dye-terminator Big Dye; 100% of reads
Assembly program: Phrap; version 0.990329
Consensus quality: 233404 bases at least 040
Consensus quality: 234413 bases at least 020
Consensus quality: 234428 bases at least 020
Onality coverage: 5.81 x in 020 bases; sum-of-contigs
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Center clone name: SCb-212e3
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Contact: gscj-submit@genome.imb-jena.de
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Center code: IMB
Web site: http://genome.imb-jena.de/
    /organism="canis familiaris"
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/cell_type="epithelial-like"
/tissue_type="kidney"
1. .1636
                                                                                                                                                      Location/Qualifiers
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56257 c 55890 g 59291 t
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Submitted (08-JAN-1999) First Department of Internal Medicine, Kagoshima University, 8-35-1 Sakuragaoka, Kagoshima 890-8520, Japan Location/Qualifiers
                                                                 2 (bases 1 to 1678)
Miyata, M., Biro, S., Kaieda, H., Eto, H., Orihara, K., Kihara, T.,
Obata, H., Matsushita, N., Matsuyama, T. and Tei, C.
Direct Submission
                                                                                                                                                                                            Miyata,M., Biro,S., Kaieda,H., Eto,H., Orihara,K., Kihara,T., Obata,H., Matsushita,N., Matsuyama,T. and Tei,C.
Apolipoprotein J/Clusterin is induced in vascular smooth musc cells after vascular injury
Circulation 104 (12), 1407-1412 (2001)
                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Lagomorpha; Leporidae; Oryctolagus.
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NVPVGFTKVVKLFDSDPITVMIPEAVSRNNPKFMETVAEKALQEYRQKHREE"

100
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1634. >>1636
/gene-"gp80"
/note-"potential; putative"
440 c 405 g 352 t
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54. .1391
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54. .119
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95.2%;
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BASE COUNT ORIGIN

Matches

FEATURES

source

SOURCE ORGANISM

REFERENCE

TITLE AUTHORS

smooth muscle

MAM 19-NOV-2001

complete

0;

Gaps

0,

FEATURES

gene

JOURNAL MEDLINE

ACCESSION

rocus

VERSION

KEYWORDS

RESULT 13 DOGGP80/c

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REFERENCE
AUTHORS
TITLE
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ORGANISM
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VERSION
KEYWORDS
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AF063235
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MEDLINE
PUBMED
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TITLE
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Eukaryota; Fungi; Ascomycota; Pneumocystidomycetes;
Pneumocystidaceae; Pneumocystis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AF063235 3287 bp mRNA linear PLN 22-AUG-200 Pneumocystis carinii clone 15 variant 2 major surface glycoprotein mRNA, complete cds.
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20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Huang, S.N., Angus, C.W., Turner, R.E., Sorial, V. and Kovacs, J.A. Identification and characterization of novel variant major surface glycoprotein gene families in rat Pneumocystis carinii J. Infect. Dis. 179 (1), 192-200 (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (05-MAY-1998) Critical Care Medicine Department, Clinical Center, National Institutes of Health, 9000 Rockville Pike,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 (bases 1 to 3287)
Huang, S.N., Angus, C.W., Turner, R.E., Sorial, V. and Kovacs, J.A.
Direct Submission
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1 523 c 452 g 303 t
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ETMMALWEEGKPCLKQCMKFYAFVCRSGSGLVGRQLEDELNQSSPFYKHINGDRIDS
LLENDRQQSHVLDVMQDSFNRATGIMDELFQDRFFTHKPQDTFYHSPFSYFRRPPLHY
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BASE COUNT
ORIGIN
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YLELKEECKALELDCGRREDCNSKEVGGELTHLKOKSLSH
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IKIMLLGVIVMGMM"
1 407 c 731 g 872 t
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Matches Query Match Best Local (Similarity Conservative 87.6%; 95.0%; 0; Score 18.4; DB 8; Pred. No. 2e+02; Mismatches Length 3287; 0; Gaps

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2565 CAGCAGCAGAGTCATCA 2584 1 cagcagcagagtcttcatca

Search completed: May Job time: 16113 sec 17, 2002, 16:04:13

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Title:
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Maximum DB s
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Maximum Match 100%
Listing first 45 summaries
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Copyright (c) 1993 - 2000 Compugen Ltd.
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AW161759 au70a10.x
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BF958030 PM1-WN120
BI038860 MR4-WT014
B1037432 CW3-WT026
BF94444 WG37401.x
BF957666 PM1-WN120
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AW498619	AA318247	BG995096	BF947214	BF935974	AA351754	BI036852	BF956584	BF956582	BF920149	AA352030	BF947155	AA365743	BI041248	BI041998	BF887875	BF923633	BF923643	BE766870	AA336628	BF923639	BF921875	AA339299	BF950916	BE841947	BF935119	AW161224	BF920102
AW498619 EST304120	AA318247 EST20305	CMO	-NN02	BF935974 IL2-NT019	AA351754 EST59817	2 MR4	BF956584 PM1-NN120	BF956582 PM1-NN120	BF920149 MR1-NT017	AA352030 EST59959	BF947155 MR3-NN021	AA365743 EST76594	8 MR4	MR4	BF887875 QV2-TN017		MR4	BE766870 RC2-NT011	AA336628 EST41242		BF921875 CM3-NT017	AA339299 EST44448	6 CM3	BE841947 MR4-ST009	BF935119 MR4-NT014	AW161224 au70a10.y	BF920102 MR1-NT017

ALIGNMENTS

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	FEATURES source		TITLE JOURNAL COMMENT	REFERENCE	ACCESSION VERSION KEYWORDS SOURCE ORGANISM	RESULT 1 AW161759 LOCUS DEFINITION
/organism="Homo sapiens" /db_xref="taxon:9606" /clone="IMAGE:2781594" /clone_lib="Schneider fetal brain 00004" /sex="male" /tissue_type="frontal lobe"	IMAGE Consortium (info@image.llnl.gov) for further information. Seq primer: -40UP from Gibco. Location/Qualifiers 1. 152	Contact: Wilson RK Washington University School of Medicine Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800 Fax: 314 286 1810 Email: est@watson.wustl.edu This Clone is available rowalty.free through LLNL. Contact the	White,Y., Wylie,T., Waterston,R. and Wilson,R. WashU-NCI human EST Project Unpublished (1997) Other_ESTs: au70a10.y1	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 152) 1 (bases 1 to 152) 1 Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S., Hillier,L., Allen,M., Bowles,L., Le,N., Lennon,G., Marra,M., Martin Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B.,		AW161759 152 bp mRNA linear EST 09-NOV-1999 au70a10.x1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2781594 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,

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REFERENCE
AUTHORS
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Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R., Nagai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F., Goldman, G. H., Carvalho, A. F., Matsukuma, A., Baia, G.S., Simpson, D. H., Brunstein, A., deOliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare, M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and
                                                                                                                                                                                                            Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=QV4&t2=QV4.NT0247-
201100-262-g12&t3=2000-11-20&t4=1)
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Lith Table 15
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Mammalia; Eutheria;
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High quality sequence stop: 155
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                     Fax: +55-11-2707001
                                                                                                                                                                                                                                                                                                                                                        Tel: +55-11-2704922
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: Simpson A.J.G.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Science Park,
/note="Organ: nervous_tumor; Vector: pucl8; Site_1: Smal;
Site_2: Smal; A mini-library was made by cloning products
derived from ORESTES PCR (U.S. Letters Patent application
                                                                           /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="NT0247"
                                                            /dev_stage="Adult"
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Query Match

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL (http://www.ludwig.org.br/scripts/gethtml2.pl?tl=wRl&t2-MRl-NT0179-171100-004-g016t3=2000-11-17&t4=1)
Seq primer: puc 18 forward can be seen in the following th
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar,
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30 c 51 g 37 t
                      tissue mRNA and cDNA amplification were performed under low stringency conditions."
29 c 53 g 35 t
                                                                                                                                /note="Organ: nervous_tumor; Vector: puc18; Site_1: Sma1; Site_2: Sma1; A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of
                                                                                                                                                                                                                                                                                                  /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="NT0179"
/dev_stage="Adult"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=ILZ&t2=IL2-NT0198-081200-280-G01&t3=2000-12-08&t4=1)
  167 bp mRNA linea IL2-NT0198-111200-293-A03_1 NT0198 Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 165)
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                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                       27
                                                                                                                                                                                                                                                                                                              /note="Organ: nervous_tumor; Vector: puc18; Site_1: Sma1; Site_2: Sma1, A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="NT0198"
/dev_stage="Adult"
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                     EST 19-JAN-2001
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                       AUTHORS
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Contact: Simpson A.J.G.
Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Ludwig Institute for Cancer Research
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BF929953
BF929953.1
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 169)
Dias Neto,E., Garcia Correa,R.,
Nagai,M.A., da Silva,W. Jr., Zac
                                                                                                                                                            BE766895 169 bp mRNA linear RC2-NV1010-050600-013-f03 NT0110 Homo sapiens cDNA, BE766895 GI:10196819
                                                                                                                                                                                                                                                                                                                                                                                               l Similarity 100 21; Conservative
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Seq primer: puc 18 forward
High quality sequence stop: 165.
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                                                           Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Primates;
                                                                                                   Homo sapiens
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32 c 48 g 27 t
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/clone_lib="NT0198"
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/db_xref="taxon:9606"
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0; Mismatches
  Zago, M.A.,
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                                                           Craniata; Vertebrata;
Catarrhini; Hominidae
                     Verjovski-Almeida,S.,
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Sao Paulo-SP,

Costa, F.

Briones, M.R.,

Euteleostomi;

mRNA sequence. EST 19-SEP-2000

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Gaps

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DKEZp586H092_r1 586 (synonym:

DKEZp586H092, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL (http://www.ludwig.org.br/scripts/gethtml2.pl?tl-&t2=RC2-NT0110-050 600-013-f03&t3=2000-06-05&t4=1) seq primer: puc 18 forward High quality sequence start: 18 High quality sequence stop: 169.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
                                                         Department Lehrach
Max-Planck-Institute for Molecular Genetics
Thnestrasse 73, 14195 Berlin, Germany
Tel: +49-30-84131623
                                                                                                                                                                    1 (bases 1 to 177)

POUStKa, A., Klein, M., Mewes, H.W., Gassenhuber, J. and Wiemann, S. EST (Poustka, et al.)
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                                                                                                                                Unpublished (1999)
Contact: Poustka A.J.
                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Primates;
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                                         Fax: +49-30-84131128
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1: asimpson@ludwig.org.br
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poustka@mpimg-berlin-dahlem.mpg.de
the 5' sequence of the clone insert
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COntact: Simpson A.J.6
Contact: Simpson A.J.6
Laboratory of Cancer G
Ludwig Institute for C
Rua Prof. Antonio Prud
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                                                                                                                      Tel: +55-11-2707021

Fax: +55-11-2707001

Email: asImpson@ludwig.org.br

Email: asImpson@ludwig.org.br

This sequence was derived from the FAPESP/LICR Human Cancer Genome

Project. This entry can be seen in the following URL

(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=RC5&t2=RC5-NN1165-
281100-033-E03&t5=2000-11-28&t4=1)

Seq primer: puc 18 forward

Useh Deminder: puc 18 forward
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This clone (DKFZp586H092) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Clone from S. Wiemann, Molecular Genome Analysis, German Research Center (DKF2); Email s.wiemann@dKz-heidelberg. sequenced by DKF2 (German Cancer Research Center, Heidelberg/Germany) within the cDNA sequencing consortium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Simpson, A.J.
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/clone_lib="586 (synonym: h
/tissue_type="uterus"
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/lab_host="DH10B"
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41 c 64 g
/db_xref="taxon:9606"
/clone_lib="NN1165"
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                                     /organism="Homo sapiens"
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o Prudente 109, 4 andar,
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                                                                                                                                                                                                                                                                                                                                                                                              Email: asimpsoneludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtm12.p1?tl=PM1&t2=PM1-NN1200-
011200-009-g08&t3=2000-12-01&t4*1)
Seq primer: puc 18 forward
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Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R.,
Nagai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F.,
Goldman, G.H., Carvalho, A.F., Matsukuma, A., Baia, G.S., Simpson, D.H.,
Brunstein, A., deOliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare
M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and
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Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
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EST.
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               /note="Organ: nervous_normal; Vector: puc18; Site_1: SmaI; Site_2: SmaI, A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196.716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."
                                                                                                                                                                                                             /clone_lib="NN1200"
/dev_stage="Adult"
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL (http://www.ludwig.org.br/scripts/gethtml2.pl?tl=MR4&t2=MR4-NTO140-080101-209-c09&t3=2001-01-08&t4=1)
Seq_primer: puc 18 forward
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: asimpson@ludwig.org.br
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tel: +55-11-2704922
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42 c 62 g 40 t
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/db_xref="taxon:9606"
/clone_lib="NT0140"
/dev_stage="Adult"
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Pred. No. 4.6;
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RC5-NX1165-131000-021-D04 NN1165 Homo sapiens cDNA,
BF944445
BF944445.1 GI:12361720
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This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=CM3&t2=CM3-NT0267-
110101-588-h12&t3=2001-01-11&t4=1)
Seq.primer: puc 18 forward
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Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R., Nagal, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F., Goldman, G.H., Carvalho, A.F., Matsukuma, A., Baia, G.S., Simpson, D.H., Brunstein, A., deOliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare, M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and
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Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
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21; Conservative
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/dev_stage="Adult"
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/db_xref="taxon:9606"
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1 (bases 1 to 193)

Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R., Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F., Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H., Brunstein,A., deOliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; 1 (bases 1 to 196)
                                                                                                                                                                                                                                                                                                                                                     AI745406 196 bp mRNA linear EST 17-DEC-1999 wc37d01.xl NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:2320801 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=RC5&t2=RC5-NN1165-
131000-021-D04&t3=2000-10-13&t4=1)
Seq primer: puc 18 forward
High quality sequence stop: 193.
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Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar,
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  Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Michael.
                                                                                                                                                                                                                                                                                                          AI745406
AI745406.1
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                                             Contact: Robert Strausberg, Ph.D.
                                                                 Tumor Gene Index
Unpublished (1997)
                                                                                                                    NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
National Cancer Institute, Cancer Genome Ana
                                                                                                                                                                                                                                   Homo sapiens
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/clone_lib="NN1165"
/dev_stage="Adult"
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J. Brownstein, M.D.,
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                                                                                                                       Anatomy Project (CGAP),
                                                                                                                                                                                           Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 193;
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  Ph.D., Michael R.
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ORGANISM
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BF957666/c
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Best Local
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Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
                                                                                                                                                                                                                                                                                                                                                                                                         1 (bases 1 to 201)
Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R., Nagai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F., Goldman, G.H., Carvalho, A.F., Matsukuma, A., Baia, G.S., Simpson, D.H., Brunstein, A., deoliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare, M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BF957666 201 bp mRNA linear EST 22-JAN-200 PM1-NN1200-251100-007-c09 NN1200 Homo sapiens cDNA, mRNA sequence.
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Seq primer: -40UP from Gibco.
Location/Qualifiers
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cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 264 Std Error: 0.00
             Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL
                                                                                                      Tel: +55-11-2704922
Fax: +55-11-2707001
                                                                                                                                                                                                                                                                                                                                    sequence
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(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=PM1&t2=PM1-NN1200-
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                                                                                                                                                                                                                                                                                                                                    tags
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/db_xref="taxon:9606"
/clone="IMAGE:2320801"
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/lab_host="DH10B"
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Pred. No.
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Best Local S
Matches 21
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MEDLINE
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                                                                                                               This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL (http://www.ludwig.org.bh/scripts/gethtml2.pl7tl=PMl&t2-PMl-NN1200-271100-008-a07&t3=2000-11-27&t4=1)
Seq primer: puc 18 forward
High quality sequence start: 24
High quality sequence stop: 182.
Location/Qualifiers
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1 (bases 1 to 207)

Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R., Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F., Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H., Brunstein,A., deOliveira,P.S., Bucher,P., Jongeneel,C.v., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
                                                                                                                                                                                                                                                                                                                                                                                                                         Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
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PMI-NN1200-271100-008-a07 NN1200 Homo sapiens cDNa, mrna sequence.
BF957858
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21; Conserv
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seg primer: puc 18 forward
High quality sequence start: 14
High quality sequence stop: 201.
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                                                                                                                                                                                                                                                                                                       Email: asimpson@ludwig.org.br
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/db_xref="taxon:9606"
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/db_xref="taxon:960
/clone_lib="NN1200"
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                                                     /organism="Homo sapiens"
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/dev_stage="Adult"
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Pred. No. 4.8;
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Search completed: May 17, 2002, 15:25:38 Job time: 14515 sec
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                                                                                                                      51 a
                                                                                                                                                                                                                                                                                                                                                              /note="Organ: nervous_normal; Vector: puc18; Site_1: SmaI; Site_2: SmaI, A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA maplification were performed under low stringency conditions."
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     Match
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US-10-119-428-31

US-60-365-384-115

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US-10-9-539-331D-26988

US-09-539-331D-33835

US-10-102-627-30

US-09-741-148A-3

US-10-105-299-11037

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31, Appl
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38048, A
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39, Appl
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agaco AGACO	Similarity Conser		sap	_genes	LE: NC	N. N.	789CIP2 FION NUM DATE: 2	Drmanac, ENTION:	40 F	Wehrman, To Ren, Feiyan Ma, Yunging	Liu, Che Asundi, Xu, Chon			7777					
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21 182	; Score 21; DB 6; Le ; Pred. No. 0.06; 0; Mismatches 0;			1.0	7 7 7	Ci Ci	-09 -09	r. cleic Acids and tides				/10119428	ALIGNMENTS	082A-25 062-117 062-117 375B-10 299-920	09-978-375A-2 10-013-921A-2 10-013-929A-2	09-978-564A-25 09-999-831A-25 09-999-829A-25	09-978-681A-25 09-978-757A-25	10-105-299-121 09-978-403A-25	09-216-387-2 09-722-377-4
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	Gaps													117, 117, 1069	2555	222	225	222	240
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Sequence 1758, Application US/10106698

(Seneral INFORMATION:
APPLICANT: Ruben et al.
FITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
FILE REFERENCE: PA005P1
CURRENT APPLICATION NUMBER: US/10/106,698
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: PCT/US00/26524
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR FILING DATE: 1909-09-29
PRIOR APPLICATION NUMBER: US 60/163,280
PRIOR FILING DATE: 1999-11-03
VOITSBER OF SEQ ID NOS: 8564
SOFTWARE: Patentin Ver. 3.0

SEQ ID NO 1758
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; LOCATION: (132)..(1316)
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SEQ ID NO 115
LENGTH: 1839
TYPE: DNA
ORGANISM: Homo sapiens
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APPLICANT: Wang, Jian-ru
APPLICANT: Wang, Zhiwei
APPLICANT: Zhang, Jie
APPLICANT: Zhou, Ping
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Best Local Similarity
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CURRENT FILING DATE: 2002-03-14
NUMBER OF SEQ ID NOS: 666
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APPLICANT:
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                                                                                                                                                                                          LENGTH: 35
TYPE: DNA
LOCATION: (353)...(353)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (355)..(355)
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LOCATION: (8). (8)
OTHER INFORMATION: n equals a,t,g,
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                                                            NAME/KEY: misc_feature LOCATION: (353)..(353)
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Wang, Dunrui
Weng, Gezhi
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Zhao, Qing A.
Asundi, Vinod
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Zhou, Ping
Wehrman, Tom
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Wang, Zhiwei
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Ghosh, Malabika
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Xue, Aidong J.
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Pred. No. 0.061;
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; OTHER INFORMATION: n equals a,t,g, .US-10-106-698-1758
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; OTHER INFORMATION:
US-09-539-331D-26988
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                                                                                                                                                                                                                                                                                            US-09-975-254-18048/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 26988, Application US/09539331D GENERAL INFORMATION:
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Best Local
                                               NUMBER OF SEQ ID NOS: 31255
SEQ ID NO 18048
LENGTH: 251
                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                            Sequence 18048, Application US/09975254
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                           TITLE OF INVENTION: Nucleic Acid TITLE OF INVENTION: Plants FILE REFERENCE: 38-21(15309)B
                                                                                           CURRENT APPLICATION NUMBER: US/09/975,254
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US/09/263,191
PRIOR FILING DATE: 1999-03-05
                                                                                                                                                                                                          APPLICANT: Byrum, Joseph R. APPLICANT: Heck, Gregory R. APPLICANT: La Rosa, Thomas J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: POLYNUCLEOTIDES OF CARDIOVASCULAR SYSTEM TISSUE FILE REFERENCE: PD-1022 CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: hu00420089
FEATURE:
TYPE: DNA
ORGANISM: Glycine max
OTHER INFORMATION: Clone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: unsure
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
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308 TGTCTGAGTCCCTCTGGTC
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mes 17; Conserv
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P: Stuart, Susan G.
P: Stuve, Laura L.
Mullahy, Sara J.
Mullahy, Rebecca E
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85.0%;
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89.5%;
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Pred. No. 30;
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Pred. No. 59;
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ID: 700955068HJ

US-09-975-254-18048

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GENERAL INFORMATION:
APPLICANT: Setlihamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mallahy, Sara J.
APPLICANT: Naughton, Rebecca E.
                                                                                                                                                                                                                                                                                                  US-10-102-627-30/c
; Sequence 30, Application US/10102627
; GENERAL INFORMATION:
; APPLICAMT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ24C1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu01211390
US-09-539-331D-33835
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US-09-539-331D-33835/c
; Sequence 33835, Application US/09539331D
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; OTHER INFORMATION: n equals a,t,g, or US-10-102-627-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 40961
SOFTWARE: PERL Program
SEQ ID NO 33835
LENGTH: 302
TYPP: No.
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Best Local Similarity 85.0
Matches 17; Conservative
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CURRENT FILING DATE: 2002-03-22
NUMBER OF SEQ ID NOS: 110
Prior Application removed - See File Wrapper or Palm SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 30
LENGTH: 1482
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Best Local Similarity
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TITLE OF INVENTION: POLYNUCLEOTIDES OF CARDIOVASCULAR SYSTEM TISSUE
FILE REFERENCE: PD-1022 CIP
CURRENT APPLICATION NUMBER: US/09/539,331D
CURRENT FILING DATE: 2000-03-30
                                                             FEATURE:
NAME/KEY: misc_feature
LOCATION: (1453)
OTHER INFORMATION: n equals a,t,g, or
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
                                NAME/KEY: misc_feature LOCATION: (1474)
                                                                                                                                          ORGANISM: Homo sapiens
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                                                                                                                                                             TYPE: DNA
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Pred. No.
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Pred. No. 60;
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; Sequence 3, Application US/09741148A
; GENERAL INFORMATION:
APPLICANT: Chunhua YAN et al.
TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: CL000566
; FILE REFERENCE: CL000566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; LENGTH: 4109
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-741-148A-1
                                                                                                                                                     ; NAME/KEY: misc_feature; LOCATION: (1)...(23668); OTHER INFORMATION: n = A,T,CUS-09-741-148A-3
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US-09-741-148A-3/c
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                                                                                                                                                                                                                                                                                      SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 23668
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local Similarity 88.9%;
                                                          Matches
                                                                        Query Match
Best Local
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TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,

TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,

TITLE OF INVENTION: AND USES THEREOF

FILLE REFERENCE: CL000566

CURRENT APPLICATION NUMBER: US/09/741,148A

CURRENT FILING DATE: 2002-04-15

PRIOR APPLICATION NUMBER: 60/206,982

PRIOR FILING DATE: 2000-05-25
                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 60/206,982 PRIOR FILING DATE: 2000-05-25 NUMBER OF SEQ ID NOS: 37
                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/741,148A CURRENT FILING DATE: 2002-04-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 37
                                                                                                                                                                                                                                  ORGANISM: Homo sapien FEATURE:
                                                                                                                                                                                                                                                                         TYPE: DNA
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4 gtctgagaccgtctggtc 21
                                                     ch 70.5%;
l Similarity 88.9%;
l6; Conservative
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Pred. No. 1.1e+02;
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Pred. No. 1.2e+02;
                                                        Score 14.8; DB 5;
pred. No. 1.4e+02;
0; Mismatches 2;
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15242 GTCTGAGACAGTCTTGTC 15225

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PEATURE:

NAME/KEY: misc_feature

LOCATION: (20)..(20)

OTHER INFORMATION: n equals a,t,9, or

NAME/KEY: misc_feature

LOCATION: (28)

OTHER INFORMATION: n equals a,t,9, or

US-10-105-299-1118
                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/105,299
CURRENT FILING DATE: 2002-03-26
NUMBER OF SEQ ID NOS: 15197
Prior Application removed - See File Wrapper
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1118
LENGTH: 932
TYPE: DNA
ORGANISM: Homo sapiens
US-09-053-375B-823/c
; Sequence 823, Application US/09053375B
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Bibilashvilli, Robert
; TITLE OF INVENTION: Nucleic Acid Arrays
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 11
US-10-105-299-1118
; Sequence 1118, Application US/10105299
; GENERAL INFORMATION:
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US-10-105-299-14037
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ETLE REFERENCE: PS950
CURRENT APPLICATION NUMBER: US/10/105,299
CURRENT FILING DATE: 2002-03-26
NUMBER OF SEQ ID NOS: 15197
PTIOR Application removed - See File Wrapper or Palm SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 14037
LENGTH: 33958
TYPE: DNA
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GENERAL INFORMATION:
APPLICANT: Rosen, et. al
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 70.5
Best Local Similarity 88.5
Matches 16; Conservative
                                                                                                                                                                                                                                     Matches
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Best Local
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                                                                                                                                                                                                                                     Conservative
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88.9%;
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                                                                                                                                                                874
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Pred. No. 1.4e
0; Mismatches
                                                                                                                                                                                                                                     0;
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L.4e+02;
                                                                                                                                                                                                                                                                     Length 932;
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APPLICANT: Schlhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
CURRENT APPLICATION NUMBER: US/09/540,210B
CURRENT FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: 08/972,899
PRIOR FILING DATE: November 18, 1997
PRIOR APPLICATION NUMBER: 08/39,244
PRIOR FILING DATE: September 27, 1995
PRIOR APPLICATION NUMBER: 08/39,24
PRIOR APPLICATION NUMBER: 08/982,029
PRIOR APPLICATION NUMBER: 08/982,029
PRIOR FILING DATE: September 29, 1995
PRIOR APPLICATION NUMBER: 08/984,029
PRIOR FILING DATE: March 25, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-540-210B-2398/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens US-10-105-299-12825
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CURRENT FILING NUMBER: US/09/053,375B
CURRENT FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 1543
SOFTMARE: FRASTSEQ for Windows Version 4.0
SEQ ID NO 823
LENGTH: 1644
TYPE: DNA
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Prior Application removed - See File Wrapper or Palm SOFTWARE: Patentin Ver. 2.0 SEQ ID NO 12825 LENGTH: 6162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2398, Application US/09540210B GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 12825, Application US/10105299 GENERAL INFORMATION:
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Best Local Similarity
Matches 17; Conserv
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Best Local :
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CURRENT FILING DATE: 2002-03-26
NUMBER OF SEO ID NOS: 15197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Rosen, et. al TITLE OF INVENTION: Human Secreted Proteins FILE REFERENCE: PS950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
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4982 attgtctgaggccttcttctc 50
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Pred. No. 1.6e+02;
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Pred. No. 1.5e+02;
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PRIOR EMPLICATION NUMBER: 60,031,010
PRIOR PELLING DATE: MATCH 25, 1996
PRIOR PELLING DATE: MATCH 25, 1996
PRIOR PELLING DATE: MATCH 26, 847
PRIOR APPLICATION NUMBER: 08,935,555
PRIOR APPLICATION NUMBER: 08,903,555
PRIOR FILLING DATE: JULY 31, 1997
PRIOR APPLICATION NUMBER: 08,903,308
PRIOR PELLING DATE: MAY 23, 1996
PRIOR PELLING DATE: MAY 23, 1996
PRIOR PELLING DATE: MAY 23, 1997
PRIOR PELLING DATE: MAY 23, 1996
PRIOR PELLING DATE: MAY 23, 1996
PRIOR PELLING DATE: JULY 31, 1997
PRIOR PELLING DATE: MAY 23, 1996
PRIOR PELLING DATE: MAY 23, 1996
PRIOR PELLING DATE: JULY 31, 1997
PRIOR PELLING DATE: MAY 23, 1997
PRIOR PELLING DATE: MAY 23, 1996
PRIOR PELLING DATE: MAY 23, 1997
PRIOR PELLING DATE: MAY 23, 1997
PRIOR PELLING DATE: MAY 21, 1997
PRIOR PELLING DATE: MAY 21, 1997
PRIOR PELLING DATE: MAY 21, 1997
PRIOR PELLING DATE: MAY 31, 1996
PRIOR PELLING DATE: MAY 31, 1996
PRIOR PELLING DATE: MAY 31, 1997
PRIOR PELLING DATE: NOUMBER: 60,025, 24
PRIOR PELLING DATE: MAY 31, 1997
PRIOR PELLING DATE: NOUMBER: 60,035, 144
PRIOR PELLING DATE: NOUMBER: 60,035, 142
PRIOR PELLING DATE: NOUMBER: 60,035, 144
PRIOR PELLING DATE: NOUMBER: 60,035, 175
PRIOR PELLING DATE: NOUMBER: 60,035, 172
PRIOR PELLING DATE: NOUMBER: 60,035, 172
PRIOR PELLING DATE: MAY 61, 1997
PRIOR PELLING DATE: MAY 61, 1997
PRIOR PELLING DATE: MAY 61, 1998
PRIOR PELLING DATE: MAY 61, 1999
PRIOR PELLING DATE: M
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RESULT 15

US-10-113-872-45

US-10-113-872-45

Sequence 45, Application US/10113872

Sequence 45, Application US/10113872

GENERAL INFORMATION:

APPLICANT: Watanabe, Yoshihiro

APPLICANT: Kalos, Michael D.

APPLICANT: Kalos, Michael D.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Carter, Darrick

APPLICANT: Fanger, Gary R.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.478C19

CURRENT APPLICATION NUMBER: US/10/113,872

CURRENT FILING DATE: 2002-03-28

NUMBER OF SEQ ID NOS: 2011

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 45

LENGTH: 494

TYPE: DNA

ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; PRIOR FILING DATE: July 1, 1997
; PRIOR APPLICATION UNMBER: 09/094,079
; PRIOR FILING DATE: June 9, 1998
; PRIOR APPLICATION UNMBER: 60/049,975
; PRIOR FILING DATE: June 13, 1997
; NUMBER OF SEQ ID NOS: 35654
; SOFTWARE: PERL Program
; SEQ ID NO 2398
; LENGTH: 252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu00275763
; NAME/KEY: unsure
; LOCATION: 198, 249
; OTHER INFORMATION: a, t, c, g, or other
US-09-540-210B-2398
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Search completed: May 17, 2002, 17:58:45 Job time: 9179 sec
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Best Local
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ORGANISM: Homo sapiens
FEATURE:
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mes 15; Conservative
                                                                                                              3 tgtctgagaccgtctg 18
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es 15; Conserv
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93.8%;
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Pred. No. 1.6e+02;
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Pred. No. 1.7e+02;
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Maximum DB
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Perfect score:
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Maximum Match 100%
Listing first 45 summaries
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length: 2000000000
                                                                                 Pending_Patents_NA_Main:*
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2: /cgn2_6/ptodata/2/pna/US06_C
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Copyright (c) 1993 - 2000 Compugen Ltd.
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76.160 Million cell updates/sec
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52: /cgn2_6/ptodata/2/pna/US6011_COMB.seq: *
53: /cgn2_6/ptodata/2/pna/US6011_COMB.seq: *
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58: /cgn2_6/ptodata/2/pna/US6018_COMB.seq: *
59: /cgn2_6/ptodata/2/pna/US6018_COMB.seq: *
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61: /cgn2_6/ptodata/2/pna/US6020_COMB.seq: *
64: /cgn2_6/ptodata/2/pna/US6021_COMB.seq: *
64: /cgn2_6/ptodata/2/pna/US6021_COMB.seq: *
66: /cgn2_6/ptodata/2/pna/US6021_COMB.seq: *
67: /cgn2_6/ptodata/2/pna/US6021_COMB.seq: *
68: /cgn2_6/ptodata/2/pna/US6021_COMB.seq: *
69: /cgn2_6/ptodata/2/pna/US6021_COMB.seq: *
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75: /cgn2_6/ptodata/2/pna/US6031_COMB.seq: *
76: /cgn2_6/ptodata/2/pna/US6031_COMB.seq: *
76: /cgn2_6/ptodata/2/pna/US6031_COMB.seq: *
77: /cgn2_6/ptodata/2/pna/US6031_COMB.seq: *
76: /cgn2_6/ptodata/2/pna/US6031_COMB.seq: *
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76: /cgn2_6/ptodata/2/pna/US6031_COMB.seq: *
77: /cgn2_6/ptodata/2/pna/US6031_COMB.seq: *
77: /cgn2_6/ptodata/2/pna/US6031_COMB.seq: *
77: /cgn2_6/ptodata/2/pna/US6031_COMB.seq: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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109	876	W 4 10 1	20 21 22 22 22 22 22 22 22 22 22 22 22 22	876	ω airū≀	210	9876	13645	, ř. ř.
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9-534 9-534 9-534	34-84	-09-534- -09-534-	-918-161-1916 -534-840-9416 -023-236-1516 -534-840-1032	-09-53 -09-53	9-534-840-975 9-534-840-103 9-534-840-975	09-534-840- 8-485-657-1 09-366-380-	US-09-534-840-10776 US-09-534-840-10325 US-09-534-840-10415 US-09-534-840-10784	-04875- 13-325- 144-326- 80-794- 16-472-	ID
	Sequence 103/4, A Sequence 10328, A Sequence 10330, A	10438,	1516, A 9416, A 1516, A 10321,	10302,	9752, A 10336, 9756, A	ш	Sequence 10776, A Sequence 10325, A Sequence 10415, A Sequence 10784, A	Sequence 5, Appli Sequence 5, Appli Sequence 5, Appli Sequence 5, Appli Sequence 4414, Ap	Description

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APPLICANT: GLAVE, MARTIN
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Colleen
TITLE OF INVENTION: ANTISENSE THERAPY FOR CANCER
FILE REFERENCE: UBC.P-020-WO
CURRENT APPLICATION NUMBER: PCT/US00/04875
CURRENT FILING DATE: 2000-02-25
EARLIER APPLICATION NUMBER: 60/121,726
EARLIER FILING DATE: 199-02-26
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 5
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 1
PCT-US00-04875-5
; Sequence 5, Application PC/TUS0004875
                                       APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-00
CURRENT APPLICATION NUMBER: US/09/913,325
CURRENT FILING DATE: 2001-10-29
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR TILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                              RESULT 2
US-09-913-325-5
                                                                                                                                                                                                                                                                                                                                     ; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
PCT-US00-04875-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0 0 0 0 0 0 0 0 0 0 0 0 0
                                                                                                                                                                         Sequence 5, Application US/09913325 GENERAL INFORMATION:
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Best Local Similarity
Matches 21; Conserv
                    SEQ ID NO 5
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: HUMAN
TYPE: DNA
ORGANISM: HUMAN
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100.0
100.0
100.0
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US-09-534-840-10384
US-09-534-840-10342
US-09-534-840-10376
US-09-534-840-10351
US-09-534-840-10352
US-09-534-840-10372
US-09-534-840-10372
US-09-534-840-10375
US-09-534-840-10375
US-09-534-840-10375
US-09-534-840-10754
US-09-534-840-10753
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                                                                                                                                                                                                                                                                                                      DB 1;
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10385, A
10386, A
10396, A
10351, A
10351, A
10352, A
10372, A
10372, A
10375, A
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GENERAL INFORMATION:

APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Monia, Brett P.
APPLICANT: Monia, Brett P.
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HAVING 2'-0-(2-METHOXY)ETHYL MODIFICATIONS
FILE REFERENCE: UBC. P-020-3
CURRENT FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REPERENCE: UBC. P-020-2
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SOSTWARE: Patentin Ver. 2.1
SEQ ID NO 5
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: antisense TRPM-2 ODN US-09-913-325-5
                                                                                                                                                                                                                                                                                                                                                                        RESULT 4
US-10-080-794-5
; Sequence 5, Ap
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Best Local Similarity 100
Matches 21; Conservative
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Best Local Similarity
Matches 21; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE: OTHER INFORMATION: antisense TRPM-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5, Application US/09944326
                                                                                                                                                                                                                                                                                                                                                                          Application US/10080794
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Pred. No. 2.1
0; Mismatches
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; NAME/KEY: misc_feature
LOCATION: (1)...(168)
COTHER INFORMATION: n = A,T,C or
US-09-716-472-4414
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; OTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-5
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US-09-716-472-4414/c
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GENERAL INFORMATION:
APPLICANT: Silos-Santiago, Inmaculada
APPLICANT: DiStefano, Peter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Fast
SEQ ID NO 4414
LENGTH: 168
                                                                                                                                                                                                                                                                                             Sequence 10776, Application US/09534840 GENERAL INFORMATION:
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Best Local Similarity
Matches 21; Conserv
                                               SOFTWARE: PERL Program SEQ ID NO 10776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                 APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOLEC
FILE REFERENCE: PD-1010 CIP
CURRENT APPLICATION NUMBER: US/09/534,840
CURRENT FILING DATE: 1992-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/716,472
CURRENT FILING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: 60/166,601
PRIOR FILING DATE: 1999-11-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES TITLE OF INVENTION: THEREFOR FILE REFERENCE: 1600.2033-001
                                                                                     Prior application data removed - consult PALM or NUMBER OF SEQ ID NOS: 13675
                                                                                                                                                                                                                         APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuye, Laura L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens FEATURE:
 ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: HUMAN
                                   ENGTH: 173
                                                                                                                                                                                                                                                                                                                                                                                                       112
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Local Similarity 100.0%;
nes 21; Conservative 0
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Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FastSEQ for Windows Version 4.0
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Pred. No.
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APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuart, Susan G.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLECTIDES ENCODING OR RECEIVE REFERENCE: PD-1010 CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu01113942
US-09-534-840-10325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu01344983
US-09-534-840-10776
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MO
FILE REFERENCE: pp-1010 CIP
CURRENT APPLICATION NUMBER: US/09/534,840
CURRENT FILING DATE: 1992-07-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 10325
LENGTH: 177
TYPE: DNA
ORGANISM: Homo sapiens
                                                    SOFTWARE: PERL Program
SEQ ID NO 10415
LENGTH: 177
                                                                                                                                                                                                                                                                                                                                 Sequence 10415, Application US/09534840 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 10325, Application US/09534840 GENERAL INFORMATION:
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Best Local (
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Best Local Similarity
Matches 21; Conserv
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APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuye, Laura L.
                                                                                                          Prior application data removed - consult PALM or file wrapper NUMBER OF SEQ ID NOS: 13675
                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/534,840 CURRENT FILING DATE: 1992-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                    TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                               154 ATTGTCTGAGACCGTCTGGTC 134
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Pred. No.
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2.8;
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; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyl
; NAME/KEY: unsure
; LOCATION: 17, 40
; OTHER INFORMATION: a, t,
US-09-534-840-10415
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: Sequence 10412, Application US/09534840

: GENERAL INFORMATION:
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; OTHER INFORMATION: Incyte ID No: hu01342214
US-09-534-840-10784
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Best Local S
Natches 21
              Prior application data removed - consult PALM or file wrapper NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 10412
LENGTH: 192
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SOFTWARE: PERL Program
SEQ ID NO 10784
LENGTH: 190
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Best Local
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                                                                                                           APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOLEC FILE REFERENCE: PD-1010 CIP
CURRENT APPLICATION NUMBER: US/09/534,840
CURRENT FILING DATE: 1992-07-17
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APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Maughton, Rebecca E.
TITLE OF INVENTION: POLYMUCLEOTIDES ENCODING
FILE REFERENCE: PD-1010 CIP
                                                                                                                                                                                                                                            APPLICANT: Seilhamer, Jeffrey J. APPLICANT: Delegeane, Angelo M. APPLICANT: Stuart, Susan G.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/534,840 CURRENT FILING DATE: 1992-07-17
TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
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1 Similarity 100.0%;
21; Conservative (
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Stuve, Laura L.
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Pred. No. 2.8;
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Pred. No. 2
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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-485-657-14
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; LOCATION: 119, 124, 134, 175
; OTHER INFORMATION: a, t, c, g,
US-09-534-840-10412
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                                                                                      Query Match
Best Local
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Best Local Similarity
                                                                                                                                                                                                                                                                           TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-POS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,657
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                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: NOONAN, Kevin E
REGISTRATION NUMBER: 35,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Kirschling, Deborah J
APPLICANT: Gudkov, Andrei
APPLICANT: Ronibson, Igor B
TITLE OF INVENTION: Genes and Genetic Elements Associated
TITLE OF INVENTION: with Sensitivity to Cisplatin
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 195 base pairs
                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/199,900
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MEDIUM TYPE: Floppy disk
153 ATTGTCTGAGACCGTCTGGTC 133
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STATE: Illinois
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                                                                                    Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 60606
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                                  1 attgtctgagaccgtctggtc 21
                                                                                                                                                                                                                                      195 base pairs
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10 South Wacker Drive, Suite 3000
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                                                                                    Score 21; DB 8; Length 195; Pred. No. 2.8;
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RESULT 12
US-09-366-380-14/c
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US-09-366-380-14
                                                                                                                                                                                                                                                       US-09-534-840-9752/c
                                                                                                                                  Sequence 9752, Application US/09534840
GENERAL INFORMATION:
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
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                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                          APPLICANT: Mullahy, Sara J.

APPLICANT: Naughton, Rebecca E.

TITLE OF INVENTION: POLYMICLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOLEC FILE REFERENCE: PD-1010 CIP
CURRENT APPLICATION NUMBER: US/09/534,840 CURRENT FILING DATE: 1992-07-17 Prior application data removed - consult PALM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 195 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Genes and Genetic Elements Associated TITLE OF INVENTION: with Sensitivity to Cisplatin NUMBER OF SEQUENCES: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: NOONAN, KEVIN E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 93
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Kirschling, Deborah J
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Local Similarity 100.0%; Pred. No.
nes 21; Conservative 0; Mismatch
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STATE: Illino
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Sequence 9756, Application US/09534840
GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: Belegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: hu01308898
US-09-534-840-10336
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NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 10336
LENGTH: 203
TYPE: DNA
ORGANISM: Homo sapiens
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SOFTWARE: PERL Program
SEQ ID NO 9752
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Best Local
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APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION
FILE REFERENCE: PD-1010 CIP
CURRENT APPLICATION NUMBER: US/09/534,840
CURRENT FILING DATE: 1992-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF THE TONE POLYNUCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOFILE REFERENCE: PD-1010 CIP
CURRENT APPLICATION NUMBER: US/09/534,840
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TYPE: DNA
ORGANISM: HOMO sapiens
FEATURE:
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1 Similarity 100.0%;
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Stuve, Laura L
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100.0%; Pred. No. 2
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CURRENT FILING DATE: 1992-07-17
Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 9756
LENGTH: 205
TYPE: DNA
ORANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: hu01099825
US-09-534-840-9756

Query Match
Best Local Similarity 100.0%; Score 21; DB 20; Length 205;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 21; Conservative 0; Mismatches 0; Gaps 0;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps

Qy 1 attgtctgagaccgtctggtc 21
Db 136 ATTGTCTGAGACCGTCTGGTC 116

Search completed: May 17, 2002, 17:56:00
Job time: 12667 sec
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Title:
Perfect score:
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     is derived by analysis of the total score distribution.
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Sequence 1	Sequence 3	Sequence 3	Sequence 3	Sequence 3	Sequence 7	Sequence 1	Sequence 3	Sequence 3	Sequence 3	Sequence 3	Sequence 3	Sequence 6	Sequence 2	Sequence 3	Sequence 1	Sequence 3	Sequence 3
l, Appli	36, Appl	36, Appl	38, Appl	38, Appl	7, Appli	102, App	3, Appli	3, Appli	3, Appli	3, Appli	3, Appli	3, Appli	2, Appli	3, Appli	 Appli 	 Appli 	3, Appli

ALIGNMENTS

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; SEQUENCE CHARACTERISTICS:

; LENGTH: 195 base pairs

; TYPE: nucleic acid

STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: CDNA

US-08-485-657A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 14, Applicat Patent No. 5942389
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Kirschling, Deborah J
APPLICANT: Gudkov, Andrei
APPLICANT: Roninson, Igor B
TITLE OF INVENTION: Genes and Genetic Elements Associated
TITLE OF INVENTION: with Sensitivity to Cisplatin
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/485,657A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5942389nan, Kevin E
REGISTRATION NUMBER: 35,303
                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: 312-913-0001
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CITY: Chicago
STATE: Illinoi
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                                                                                                                                                                                                                                                                                                                                                                         93,354-N
Score 21; DB 2;
Pred. No. 0.027;
Mismatches
                                            DB 2; Length 195;
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153

ATTGTCTGAGACCGTCTGGTC 133

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SEQUENCE CHARACTERISTICS:
LENGTH: 195 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
PCT-US95-02303-14
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; Sequence 14, Application PC/TUS9502303
; GENERAL INFORMATION:
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SOFTWARE: PALENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,657A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5942389nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 93,354-N
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
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Best Local Similarity
Matches 21; Conserv
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APPLICANT: Roninson, Igor B
TITLE OF INVENTION: Genes and Genetic Elements Associated
TITLE OF INVENTION: with Sensitivity to Cisplatin
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
COMPUTER: PC-DOS/MS-DOS
COMPUTER: COMPATIBLE
COMPUTER: COMPATIBLE
COMPUTER: COMPATIBLE
COMPAT
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CITY: Chicago
STATE: Illinois
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ZIP: 60606
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5942389
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 21; DB 5; ilarity 100.0%; Pred. No. 0.027; Conservative 0; Mismatches 0
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PCT-US95-02303-18/c
; Sequence 18, Application PC/TUS9502303
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                               RESULT 5
US-08-280-443-1/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-US95-02303-18
                                                                                                                                                                                                                                                                                                                Sequence 1, Application US/08280443 Patent No. 5643778
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Best Local Similarity 95.2%;
Matches 20; Conservative
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Genes and Genetic Elements Associated
TITLE OF INVENTION: with Sensitivity to Cisplatin
NUMBER OF SEQUENCES: 25
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/02303
INFORMATION FOR SEQ ID NO: 18:
                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 181 base pairs
COMPUTER READABLE FORM:
MEDIDIM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 181 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           / Match 92.4%; Score 19.4; DB 5; Length 181; Local Similarity 95.2%; Pred. No. 0.18; res 20; Conservative 0; Mismatches 1; Indels
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                                                                                               COUNTRY:
                                                                                                                    STATE:
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                                                                          19477
                                                                                                                 Pennsylvania
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PE: cDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
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US-08-457-459-1/c
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REGISTRATION NUMBER: WST4!
REFERENCE/DOCKET NUMBER: WST4!
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6671 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/08457459 Patent No. 5677428
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Best Local S
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APPLICANT: Nishik
                                                       APPLICATION NUMBER: US/08/457,459
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
PRIOR APPLICATION UNMBER: US 08/280,443
FILING DATE: 25-UUL-1994
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-UUL-1994
APPLICATION BERNATION:
NAME: Bak, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: RNA Edit
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 39
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CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/280,443
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: cDNA
REFERENCE/DOCKET NUMBER: WE
ELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              808 TTGGCTATGACCGTCTGGTC 789
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LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: Spring House Corporate Cntr, P.O. Box 457 CITY: Spring House STREE: Pennsylvania
                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
ZIP: 19477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                    REGISTRATION NUMBER: 31,215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Howson and Howson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 ttgtctgagaccgtctggtc 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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155..3832
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                   WST49CUSA
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Pred. No. 52;
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; FEATURE:
; NAME/KEY: CDS
; LOCATION: 155..3832
US-08-457-459-1
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US-08-555-678-1/c
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TELEFAX: 215-540-9818
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6671 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: doubte
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Best Local Similarity 85.0%;
Matches 17; Conservative
                                                                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/197,794
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/280,443
FILING DATE: 25-JUL-1994
PRIOR APPLICATION UNMBER: US 08/457,459
ETILING DATE: 01-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                  INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS: LENGTH: 6671 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                           TELECOMMUNICATION INFORMATION: TELEPHONE: 215-540-9206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: RNA Editing Enzyme and Methods TITLE OF INVENTION: of Use Thereof
                                                                                                                                                                                                                                   FILING DATE: 01-JUN-1995
ATTORNEY/AGENT INFORMATION:
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MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Spring House
STATE: Pennsylvania
                             STRANDEDNESS:
                                                                                                                                                                                REGISTRATION NUMBER: 31 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
               TOPOLOGY:
                                                                                                                           TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
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                                                 nucleic acid
                                                                                                                                                                                                                  Bak, Mary E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pennsylvania
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                                                                                                                           215-540-5818
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                 unknown
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Pred. No. 52;
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; NAME/KEY:
; LOCATION:
US-08-555-678-1
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PCT-US95-02275-1/c
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                                                                                                                                          NAME/KEY:
; LOCATION:
PCT-US95-02275-1
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Best Local Similarity 85.0
Matches 17; Conservative
                                                               Best Local Similarity 85.0 Matches 17; Conservative
                                                                                             Query Match
                                                                                                                                                                                                                                                                                            TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                          NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WS'
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215.540-9206
                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: Spring House
CITY: Spring House
STATE: Pennsylvania
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Wistar Institute of Anatomy 6, Biology TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use TITLE OF INVENTION: Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                           MOLECULE TYPE:
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808 TTGGCTATGACCGTCTGGTC 789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/US95/02275 FILING DATE: CLASSIFICATION:
                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                             TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                              ENGTH:
                                                                                                                                                                                                                                                                              6671 base pairs
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155..3832
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155..3832
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                                                                               72.4%; Score 15.2; 85.0%; Pred. No. 52;
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85.0%; Pred. No. 52;
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                                                                Mismatches
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RESULT 9
US-08-151-574-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/688,578
FILING DATE: 24 MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: MUTASHIPE, Kate H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 24615-2
TELECOMMUNICATION INFORMATION:
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE:
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Gerardus Selten
TITLE OF INVENTION: Cloning and Expression of Microbial
TITLE OF INVENTION: Phytase
                                                                                                                                                                                                                                                                            FEATURE:
                                    FEATURE:
                                                                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                            ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                        FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 545 Middlefield Road, Suite 200 STREET: 645 Middlefield Road, Suite 200 STATE: California
                                                                                                                                                                                                                                       NAME/KEY:
LOCATION:
 NAME/KEY:
LOCATION:
                                                LOCATION: join(210..253, 356..1715)
OTHER INFORMATION: /codon_start= 210
OTHER INFORMATION: /product= "Phytase"
                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 6756 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                   LIBRARY: lambda AF
CLONE: pAF2-3, pAF2-6,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                   NAME/KEY:
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                                                                                                                                                    NAME/KEY:
                                                                                                                                                                                        LOCATION:
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                                                                                                                                      LOCATION:
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                                                                                                                                                                                                                                                                                                                                       NRRL 3135
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Petrus A. Van Paridon
Annemarie E. Veenstra
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sig_peptide
210..380
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254..355
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210..253
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356..1715
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Patent No. 5
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Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 24
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
INFORMATION FOR SEQ ID NO: 31:
                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
COMPUTER: PC-DOS/MS-DOS
                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 6756 base pair
                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Cloning
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION: NAME: Murashige, Kate H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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          EATURE:
                                                                                                DRIGINAL SOURCE:
                                                                                                                         MOLECULE TYPE:
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                                                    STRAIN: NRRL 3
MMEDIATE SOURCE:
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ZIP: 20
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OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                      NAME: Murashige, Kate H. REGISTRATION NUMBER: 29,
                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE:
                                                                                                            TI-SENSE:
                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                  TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET:
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NAME/KEY:
                                                                                  ORGANISM:
                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OF SEQUENCES:
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                          pAF2-3, pAF2-6, pAF2-7
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                                                                     NRRL 3135
                                                                                                                                                                                                6756 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2000 Pennsylvania Ave. N.W., Suite 5500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Robert F.M. Van Gorcom
Willem Van Hartingsveldt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USA
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381..1712
                                                                                                                                                        linear
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O
                                                                                                                                                                                                                                                                                                                                          UMBER: US/08/419,448
10-APR-1995
                                                                                                                                        DNA (genomic)
                                                                                                                                                                       double
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                                                                                                                                                                                                                                                                                      29,959
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
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Pred. No. 52;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 31,
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Best Local
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APPLICANT: Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION:
FEATURE:
NAME/KEY:
                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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APPLICANT:
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NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 52

CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 545 Middlefield Road, Suite 200
CITY: Menlo Park
STATE: California
                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                           CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/233,510
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Rudolf G.M. Luttin
APPLICANT: Gerardus Selten
TITLE OF INVENTION: Cloning and Expression
TITLE OF INVENTION: Phytase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: mat_peptide
LOCATION: 381.1712
IDENTIFICATION METHOD:
OTHER INFORMATION: /fun
OTHER INFORMATION: /pro-
OTHER INFORMATION: /pro-
OTHER INFORMATION: /evi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
NAME/KEY:
                               FILING DATE: 24-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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OTHER INFORMATION: /codon_start= 210
OTHER INFORMATION: /product= "Phytass"
                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity nes 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION:
            NAME: Murashige, Kate
REGISTRATION NUMBER: 2
                                                                                                                                                                           SOFTWARE:
                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION:
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REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 ttgtctgagaccgtctggtc 21
                                                                                                                                                                                                                                                                         94025-3471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Application US/09233510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Willem Van Hartingsveldt
                                                                                                                                                                                                                                                                                         USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Petrus A. Van Paridon
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356..1715
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254..355
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210..380
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/product= "Phytase"
/evidence= EXPERIMENTAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /product= "Phytase"

/function= "inositol phosphate
                                                                            07/688,578
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24615-20026.00
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Pred. No. 52;
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                                                                                                                                                                                             Version #1.25
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                                                                                                                                                                                                                                                                                                                                                                                                                      of Microbial
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 6756 base pair

6756 base pairs

TELEPHONE: 415-327-7250

415-327-2951

31:

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APPLICANT: Yue, Henry
APPLICANT: Corley, Neil C.
APPLICANT: Gorgley, Neil C.
APPLICANT: Guegler, Karl J.
APPLICANT: Guegler, Gina A.
APPLICANT: Baughn, Mariah R.
TITLE OF INVENTION: CELL SURFACE GLYCOPROTEINS
FILE REFERENCE: PF-0631 US
CURRENT APPLICATION NUMBER: US/09/187,331
CURRENT APPLICATION NUMBER: US/09/187,331
CURRENT FILING DATE: 1998-11-06
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PERL PROGram
SEQ ID NO 4
                                                                                                                                                                                                                                                          RESULT 12
US-09-187-331-4/c
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                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                             Sequence 4, Application US/09187331 Patent No. 6043056
                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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MOLECULE TYPE: DO
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Aspe.
LENGTH: 1438
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CLONE: pAF2-3, pAF2-6, pAF2-7
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: mat_peptide
LOCATION: 381..1712
LDENTIFICATION METHOD: 6
OTHER INFORMATION: /func
OTHER INFORMATION: /pos
OTHER INFORMATION: /pos
OTHER INFORMATION: /evi
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LOCATION:
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nes 17; Conserv
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OTHER INFORMATION: /codon_start= 210
OTHER INFORMATION: /product= "Phytase"
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254..355
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210..253
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210..380
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356..1715
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        phosphatase"
/product= "Phytase"
/evidence= EXPERIMENTAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   D: experimental
/function= "inositol phosphate
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GENERAL INFORMATION:

APPLICANT: Yue, Henry
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl J.
APPLICANT: Guegler, Karl J.
APPLICANT: Baughn, Mariah R.
APPLICANT: Baughn, Mariah R.
ITILE OF INVENTION: CELL SUFFACE GLYCOPROTEINS
FILE REFERENCE: PF-0631 US
CURRENT APPLICATION NUMBER: US/09/470,946
CURRENT FILING DATE: 1999-12-22
EARLIER APPLICATION NUMBER: US 09/187,331
EARLIER APPLICATION NUMBER: US 09/187,331
EARLIER TILING DATE: 1998-11-06
NUMBER OF SOG ID NOS
NUMBER OF SEGUENCE: PERL PROGRAM
SE
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; OTHER INFORMATION: 2705267
US-09-470-946-4
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OTHER INFORMATION: 2705267
US-09-187-331-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20, Applicat Patent No. 6235872 GENERAL INFORMATION:
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Best Local (
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Best Local Similarity 88.5
Matches 16; Conservative
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TYPE: DNA
ORGANISM: Homo saplens
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Bredesen, Dale E. APPLICANT: Rabizadeh, Sharroz TITLE OF INVENTION: Proapoptol TITLE OF INVENTION: Polypeptii NUMBER OF SEQUENCES: 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1232 GTCTGAGAGCATCTGGTC 1215
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                                                                                                                                                                                                         STATE:
                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                            CITY: San Diego
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5. 6235872
                                                                                                                                             92122
                                                                                                                                                                     California
United States
                                                                                                                                                                                                                                                                        E: Campbell & Flores LLP 4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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Pred. No. 65;

    Mismatches

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Pred No. 65;
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RESULT 15
US-08-779-801-5/c
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ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEPAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 20:
                              ATTORNEY/AGENT INFORMATION:
NAME: Benjamin Aaron Adler, Ph.D., J.
REGISTRATION NUMBER: 35,423
REFERENCE/DOCKET NUMBER: D5968
TELECOMMUNICATION INFORMATION:
TELEPHONE: (713) 777-2321
TELEPHONE: (713) 777-6908
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 2506
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Best Local Similarity
Matches 16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Lee, Cheng-Chi
TITLE OF INVENTION: Large Scale Genotyping of
TITLE OF INVENTION: Diseases and a Diagnostic Test for Spinocerebellar Ataxia Type
RUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 3563 base pairs
TYPE: nucleic acid
STRANDENNESS: single
                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh
SOFTWARE: Microsoft Word for Macintosh
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2385 TGTCTGAGATGGTCTGGT 2368
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                                                                                                                                                                                                       APPLICATION NUMBER: US/08/779,801
FILING DATE: January 7, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/041,886
                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: US
ZIP: 77071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Houston
STATE: Texas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
                    ENGTH:
nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Benjamin Aaron Adler, Ph.D., J.D. 8011 Candle Lane
                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
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3..3550
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Pred. No. 76;
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                                                                                                                    US-08-779-801-5
                                                 Query Match
Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                             HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: human
TISSUE TYPE: bra-
IMMEDIATE SOURCE:
                                                                                                                                          LIBRARY: primary human brain cDNA CLONE: BI-1(VZ)-GGCAG POSITION IN GENOME: CHROMOSOME/SEGMENT: 19p13
2385 TGTCTGAGATGGTCTGGT 2368
                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: don
TOPOLOGY: linear
               3 tgtctgagaccgtctggt 20
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                                                    Conservative
                                                                                                                                                                                                             brain
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                                                                                                                                                                                                                                                                                                                                 double-stranded
                                                                70.5%;
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Pred. No. 76;
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Search completed: May 17, 2002, 16:06:12 Job time: 12746 sec

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                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                      Score
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| SIDSI/gcgdata/geneseg/geneseqn-embl/NA1995.DAT: *
| SIDSI/gcgdata/geneseg/geneseqn-embl/NA1991.DAT: *
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Listing first 45 summaries
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EST clone CG1. Ho
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Cytolysis Inhibito
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Genetic suppressor
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223	2222	221	222	22	22222	22222	
AAS92996 AAS93802 AAD05175	AAK32397 AAI38240 AAS65858 AAS80037	AAC48862 AAC34794 ABA58577 AAK06699	ABA71312 AAK19616 AAK45622 AAI51555	AAH79918 AAL01942	ABL05375 ABL05374 ABL19688 ABL19686 ABL19686	AAN 70903 AAH34666 AAS30562 AAL06616 AAX02665 AAS32978	AAH23086 AAD05495 AAD05522 AAD08210 AAD08210 AAD05523 AAD015523 AAD015523 AAD015523
DNA encoding novel DNA encoding novel Human secreted pro	ರಾ	മമ	Human foetal liver Human brain expres Human bone marrow Probe #20241 used	Human DNA containi Human reproductive	Drosophila melanog Drosophila melanog Drosophila melanog Drosophila melanog Drosophila melanog	Human Colon Cancer DNA encoding novel Human reproductive EP-892047 Seg ID 4 DNA encoding CARDI	ര മ

ALIGNMENTS

RESULT AAA94227 25-FEB-2000; 2000WO-US04875 31-AUG-2000 WO200049937-A2 Homo sapiens. Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss. Human testosterone-repressed prostate message-2 antisense oligo #3 AAA94227 standard; DNA; 21 BP. WPI; 2000-533132/48. Gleave M, (UYBR-) UNIV BRITISH COLUMBIA. 26-FEB-1999; 12-JAN-2001 (first entry) AAA94227; سر Rennie PS, 99us-0121726. Мiyake Н, Nelson Ç;

Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene

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RESULT 2
AATOO4116/c
ID AATOO4
AC AATOO4
AC AATOO4
AC AATOO4
AC AATOO4
AC Geneti
KW Geneti
KW Chemot
KW SS.

XX Synthe
PN W09522
PN 24-AUG
PY 22-FEE
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TX Gudkov
AC Geneti
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Best Local
                  The sequences represented by AAT00405-T00418 are genetic suppressor elements (GSEs). This sequence represents GSE HL6.10. This sequence shows homology to the cDNA encoding testosterone-repressed prostatic message-2 (TRPM-2). These sequences were obtained from a cDNA library derived from the total cDNA of a cisplatin sensitive cell. Genetic suppressor elements confer resistance to platinum-based drugs (PDS), such as cisplatin. These functional GSEs can then be used to create probes for the parent gene. The probes can then be used in methods of diagnosis of resistance to PDs by measuring the level of GSE gene expression. The GSEs can be used in methods of GSE genes. The GSEs are also used in methods to overcome expression of GSE genes. The GSEs are also used in methods to overcome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemosensitivity of the cells, meaning that conventional chemotherapy is
                                                                                                                                                                                                                                                                                                                                                                                         Genetic suppressor elements which confer resistance to platinum-based drugs, eg. cisplatin, on cancer cells - useful for enhancement of chemotherapy, and for diagnosis of resistance to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gudkov A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Genetic suppressor element; GSE; platinum-based drug; cisplatin; chemotherapy; HL7.1; testosterone-repressed prostatic message-2;
     expression of resistance to
                                                                                                                                                                                                                                                                                                                      Claim 14; Fig
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1995-302718/39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kirschling DJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP;
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PDs in cano
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                                                                                                                                                                                                                                                                                                                   75pp; English
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       cancer cells
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Roninson IB;
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Pred. No.
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fragments
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     of them)
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Matches Query Match

l Similarity 21; Conserv

Conservative

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Mismatches

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Indels

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.08;

Score 21; Pred. No.

0.26; DВ 22;

Length 396;

Sequence 396 BP; 129 A; 83 present sequence is an example of

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121 G;

one of these sequences 62 T; 1 other;

The present invention provides a number of coding sequences and proteins, the over-expression of which is associated with ovarian carcinoma/cancer. These can be used in the diagnosis, treatment and prevention of ovarian cancer, optionally by gene therapy or in the form of a vaccine. The

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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         be used to inhibit the function of genes associated with sensitivity to PDs. For enhancement of chemotherapy, a GSE can be transferred (either alone or with another gene) on an expression vector into blood progenitor cells from a cancer patient. The cells are returned to the patients circulation and allowed to repopulate the blood before aggressive chemotherapy is carried out (using higher cisplatin concentrations than normal), this will thereby avoid toxic side effects to the immune system as the blood cells will be GSE resistant.
                                                                                                                                                                                                 Хu J,
                                                                                                                                                                                                                                               10-SEP-1999; 99US-0394374.
01-MAY-2000; 2000US-0561778
15-AUG-2000; 2000US-0640173.
07-SEP-2000; 2000US-0656668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAF94824 standard;
                                                                                                 Claim 18; Page 120; 189pp; English.
                                                                                                                              Isolated polypeptides associated with ovarian carcinomas, nucleic acids that encode them, useful for the prevention treatment of ovarian cancers.
                                                                                                                                                                          WPI;
                                                                                                                                                                                                                         (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                            08-SEP-2000; 2000WO-US24827
                                                                                                                                                                                                                                                                                                                                      15-MAR-2001
                                                                                                                                                                                                                                                                                                                                                              WO200118046-A2
                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                    Human ovarian cancer associated coding sequence SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-MAY-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21;
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Similarity 100.0%;
21; Conservative (
                                                                                                                         of ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CDNA; 396
                                                                                                                          cancers
                                                                                                                                                                                                                                                                                                                                                                                                            vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 21;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                           gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16;
                                                                                                                                                                                                                                                                                                                                                                                                              carcinoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 195;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                     and the
diagnosis and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
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AACO3751/c

ID AACO3751 standard; c

XX

AC AACO3751;

XX

DT 06-OCT-2000 (first |

XX

Human; 5' EST; expre

KW EP1033401-A2.

XX

PN 21-FEB-2000; 2000EP-

XX

PF 21-FEB-2000; 2000EP-

XX

PR GEST ) GENSET.

XX

RESULT 5
AAV89150/c
ID AAV891:
XX
AC AAV891:
XX
DT 15-FEB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        В
                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                         δÃ
                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local S
Matches 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present sequence is one of a large number of 5' ESTs derived from mRNAs encoding secreted proteins. An ORF has been identified within the sequence. The 5' ESTs were prepared from total human RNAs or polyAr RNAs derived from 30 different tissues. EST sequences usually correspond mainly to the 3' untranslated region (UTR) of the mRNA because they are often obtained from oligo-dT primed cDNA libraries. Such ESTs are not well suited for isolating cDNA sequences derived from the 5' ends of mRNAs and even in those cases where longer cDNA sequences have been obtained, the full 5' UTR is rarely included. 5' ESTs are derived from mRNAs with intact 5' ends and can therefore be used to obtain full length cDNAs with chromosome mapping procedures. They are used to obtain upstream regulatory sequences and to design expression and secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New nucleic acid that is a 5' expressed sequence tag (5' EST) for obtaining cDNAs and genomic DNAs that correspond to 5'ESTs and fo diagnostic, forensic, gene therapy and chromosome mapping procedu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2000-500381/45.
P-PSDB; AAG03745.
   15-FEB-1999
                                                                                                                     AAV89150 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID 3749; 71pp + CD-ROM; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Dumas Milne Edwards
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-FEB-2000; 2000EP-0200610
                                                            AAV89150;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 491 BP; 149 A; 114 C; 149 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     145 ATTGTCTGAGACCGTCTGGTC
                                                                                                                                                                                                                                                                       194 ATTGTCTGAGACCGTCTGGTC 174
                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
les 21; Conserv
                                                                                                                                                                                                                                                                                                   1 attgtctgagaccgtctggtc 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4
                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  chromosome mapping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein 5' EST,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            expressed sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9905-0122487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cDNA;
                                                                                                                     CDNA; 512
                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Duclert A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        125
                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                     ВP
                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO: 3749.
                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  tag; secreted protein; cDNA isolation; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Giordano
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 78 T; 1 other;
                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 21; .Length 491;
                                                                                                                                                                                                                                                                                                                                                                                                                  . 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  mapping procedures
                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                         0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for
                                                                                                                                                                                                                                                                                                                                                                                     0;
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cancer; gene therapy;

SS

Human; bladder; treatment; EST; expressed sequence tag; cytostatic;

Human normal bladder tissue cDNA derived EST

31-JAN-2000

(first entry)

DE19818620-A1

Дb QΥ

121

1 attgtctgagaccgtctggtc 21

ATTGTCTGAGACCGTCTGGTC 101

Matches Best Query Match

Local

Similarity 21; Conser

Conservative

0,

Mismatches

0,

0

Gaps

0

100.0%;

Score 21; DB 20; Pred. No. 0.27;

Length 512;

AAZ42136/c RESULT

σ

AAZ42136 standard;

cDNA; 572

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The present sequence represents a human expressed sequence tag (EST) The polynucleotide, which is a secreted EST, and the encoded protein are predicted to have useful biological activities which would make conditions in humans and animals, although no supporting data is given. Suggested activities include nutritional activity, immune stimulating or suppressing activity, haemastatic and thrombolytic activity, tissue growth activity, activin/inhibin activity, chemotactic/chemokinetic activity, anti-inflammatory activity, cadherin/tumour invasion suppressor activity, tumour inhibition activity. The polynucleotide may also be useful for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; secreted protein; expressed sequence tag; EST; haematopoies1s; tissue growth; activin; inhibin; chemotax1s; chemokines1s; haemostat1c; receptor; ligand; thrombolytic; anti-inflammatory; cadherin; anti-tumou gene therapy; ss.
                                                                                                                                                                                                                                                        New polynucleotides encoding human secreted proteins - de e.g. human blood, kidney, foetal lung, placenta, testes, ovary, pituitary, retina and colon cDNA libraries.
                                                                                                                                                                                                                                                                                                                       WPI;
                                                                                                                                                                                                                            Claim 1; Page 126; 618pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EST clone
Sequence 512 BP;
                                                                                                                                                                                                                                                                                                                                                    Racie LA,
                                                                                                                                                                                                                                                                                                                                                                  Agostino MJ,
                                                                                                                                                                                                                                                                                                                                                                                             (GEMY ) GENETICS INST INC.
                                                                                                                                                                                                                                                                                                                                                                                                                            10-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-0CT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9845436-A2
                                                                                                                                                                                                                                                                                                                     1999-070077/06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CG1
                                                                                                                                                                                                                                                                                                                                               J, Jacobs K,
Spaulding V,
                                                                                                                                                                                                                                                                                                                                                                                                                            97US-0838821
                                                                                                                                                                                                                                                                                                                                                                                                                                                         98WO-US06955
154 A; 114 C;
                                                                                                                                                                                                                                                                                                                                                  Lavallie ER, Treacy M;
 150 G;
 94 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                  МсСоу
                                                                                                                                                                                                                                                                                                                                                                  M,
                                                                                                                                                                                                                                                                                                                                                                  Merberg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cadherin; anti-tumour;

    derived

                                                                                                                                                                                                                                                                                        from
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RESULT 7
AÁA43857/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CC bladder tissue and have cytostatic activity. (II) are used for crecombinant expression of (I) and to isolate complete genes. (I) are CC used to identify agents suitable for the treatment of bladder tumours, CC to directly treat this form of cancer (including expression from gene CC therapy vectors), or are used in a preparation for cancer treatment. (I) CC is also used for the generation of specific antibodies. (II) are CC dientified by assembling ESTs (expressed sequence tags) from a CC particular tissue type before comparison of expression patterns. This CC allows a significantly longer fragment of the gene to be revealed, and CC therefore reduces the number of failures because of ESTs from different CC libraries representing different parts of the same unknown gene CC distorting the estimated frequency of occurrence in a particular tissue. CAA24212-242248 represent EST fragments derived from a human normal CC bladder tissue CDNA library which encode the protein fragments very consideration of the same contains a human normal CC consideration of the same contains the contains
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 21
                                                            antiulcer; osteopathic; neuroprotective; nootropic; antipsoriatic; cerebroprotective; anticonvulsant; antidepressant; gene therapy; vacche; autoimmune disorder; multiple solerosis; allergic condition; insulin dependent diabetes; asthma; myeloid cell deficiency; ulcer; lymphoid cell deficiency; burn; osteoporosis; osteoarthritis; central nervous system disorder; Alzheimer's disease; stroke; Parkinson's disease; Huntington's disease; coagulation disorder; haemophilia; thrombosis; inflammatory disorder; Crohn's disease;
                                                                                                                                                                                                                                                        Human; mouse; chicken; rat; secreted expressed sequence tag; SEST; expressed sequence tag; EST; probe; chemotactic; prolliferative; immunomodulatory; haematopoietic; chemokinetic; analyesic; haematoric thrombolytic; antiinflammatory; cytostatic; antibacterial; antifungal; antiviral; antidiabetic; antiasthmatic; vulnerary; antiparkinsonian; antiviral; antidiabetic; antiasthmatic; vulnerary; antiparkinsonian;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI;
  Homo
                                                                                                                                                                                                                                                                                                                                                                                                            Human secreted
                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-AUG-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAA43857 standard; cDNA; 922
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rosenthal A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (META-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 attgtctgagaccgtctggtc 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     polypeptides and their nucleic acids, useful lder tumour and identification of therapeutic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention
  sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTGTCTGAGACCGTCTGGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3; Page 158; 366pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity 100
21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        METAGEN GES GENOMFORSCHUNG MBH.
                                             infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Specht T,
                                                                                                                                                                                                                                                                                                                                                                                                            expressed sequence tag SEQ ID NO:432.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              describes novel polypeptide fragment sequences (I) nucleic acids (II) which are highly expressed in no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        98DE-1018620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      98DE-1018620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          161 A; 128 C; 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hinzmann B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 21;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Schmitt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        agents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pilarsky
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ņ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 in normal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Dahl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0;
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RESULT 8 AAS44948/c

H

AAS44948 standard; cDNA;

В Qy

1 attgtctgagaccgtctggtc 21

98

Matches

Similarity

100.0%;

Score 21; Pred. No.

0.3; DB

21; Length 922;

Conservative

0;

Mismatches

0;

0,

Gaps

0;

18-DEC-2001 AAS44948;

(first

entry)

ischaemia-reperfusion injury; haematopoiesis; cancer; neuropathy; transgenic animal; Alzheimer's disease; Parkinson's disease; burn; amyotrophic lateral sclerosis; platelet disorder; thrombocytopenia;

Human; secreted protein; arthritis; Crohn's disease; sepsis;

cDNA encoding novel human secretory protein,

Seq

ID No

ulcer; osteoporosis; bone degenerative disorder; periodontal disease

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Jacobs K, m
                                                                                                      are useful in assays for determining biological activity and raising antibodies. They may be useful for treatment of autoimmune disorders (multiple sclerosis, insulin dependent diabetes), allergic conditions (asthma), myeloid or lymphoid cell deficiencies, wounds, burns, ulcers, osteoporosis, osteoarthritis, central nervous system disorders (Alzheimer's, Parkinson's, Huntington's disease, stroke), coagulation disorders (haemophilia, thrombosis), inflammatory disorders (Crohn's disease), tumours, bacterial, fungal or viral infections, depression an psoriasis. AAA45926 to AAA45931 represent linker variants which are giv
                                                                                                                                                                                                                                                                                                                                                                                                                                                    the tissues they were isolated from. The activities include: chemotactic; proliferative; immunomodulatory; haematopoletic; chemokinetic; antipacterial; haematactic; thrombolytic; antiinflammatory; cytostatic; antibacterial; antifungal; antiviral; antidiabetic; cytostatic; vulnerary; antiulcer; osteopathic; neuroprotective; antiasthmatic; vulnerary; antiulcer; osteopathic; neuroprotective; nootropic; antiparkinsonian; antipsoriatic; cerebroprotective; anticonvulsant; and antidepressant. The sESTs can be used for gene therapy and in vaccines. The sESTs are useful as probes for the identification and isolation of full-length cDNAs and genomic DNAs molecules which correspond to the sESTs. Proteins encoded by the sESTs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sequence tags (sESTs), isolated from human, mouse, chicken a tissue sources. The sESTs can have a range of activities depthe tissues they were isolated from. The activities include
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-317938/27
    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAA43426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Page 316; 803pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Isolated polynucleotides, and encoded proteins, comprising secreted expressed sequence tags (SESTs), useful for treating various disorders such as autoimmune, infectious, and central nervous system disorders -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-OCT-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-OCT-1999;
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                                                                         the exemplification of the present invention.
    922
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to AAA45925 represent specifically claimed secreted expressed tags (sESTs), isolated from human, mouse, chicken and rat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    McCoy JM,
Treacy M,
    BP;
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243 A; 265 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LaVallie ER, Bowman MR;
    244 G;
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    166 T; 4 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                  are given
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CC and polynucleotides (II). (II) and unitary conditions such as arthitis, nephritis, Crohn's disease, CC ischaemia-reperfusion injury shock, sepsis, immune responses, and is CC involved in increasing haematopolesis, stem cell survival, bone growth CC and remodeling. (I), (II) and modulators of (II) are useful for CC prophylaxis or treatment of one or more cancers. (II) is also useful for CC the polypeptide as well as for studying modulators of the polypeptides. (CC (II) induces the proliferation of neural cells and regeneration of nerve CC and brain tissue and is useful for the treatment of central and CC peripheral nervous system diseases and neuropathies, such as Alzheimer's, CC Parkinson's disease, Huntington's disease, and amyotrophic lateral CC activity, regulation of haematopolesis and is useful for treating myeloid CC or lymphoid cell discorders, platelet disorders such as thrombocytopenia and for regeneration of bone, cartilage, tendon, ligament and/or nerve CC disorders, or periodontal disease. Furthermore, (I) is also useful for central or disorders, for treating osteoporosis, osteoarthritis, bone degenerative CC disorders including severe combined immunodeficiency (SCID), bacterial or fungal infections, autoimmune disorders e.g. multiple sclerosis, creactions and conditions, such as asthma or other respiratory problems. CC reactions and conditions, such as asthma or other respiratory problems. CC dietary fat, lipid, protein, catabolism, anabolism, storage or elimination of C dietary fat, lipid, protein, catabolism, anabolism, storage or elimination of C dietary fat, lipid, protein, catabolism, anabolism, storage or elimination of C dietary fat, lipid, and catabolism, anabolism, storage or elimination of C dietary fat, lipid, and catabolism, anabolism, storage or elimination of C dietary fat, lipid, and catabolism, anabolism, storage or elimination of C dietary fat, and catabolism, anabolism, storage or elimination of C dietary fat, and catabolism, anabolism, storage or elimination of C dietary fat, 
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19-MAY-2000;
17-JUN-2000;
14-JUL-2000;
19-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel polypeptides and nucleic acids obtained from cDNA libraries prepared from various human tissues, for diagnosis and treatment cancer, neurological, inflammatory, and autoimmune disorders -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tang
Zhao
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-MAR-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          invention relates to novel isolated human secreted polypeptides (I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2001-589934/66
   1568
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Yang Y,
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2000US-0574454.
2000US-0596193.
2000US-0616847.
2000US-0665363.
2000US-0693267.
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B₽;
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Drmanac
   386
   A.
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                                                                 invention.
   456
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Zhang J, Chen
   434
G;
      292
   T; 0
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АJ,
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ang J;
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Query Match Best Local Similarity

100

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Score Pred.

21; No.

DB 22; 0.33;

Length 1568;

AAH23086/c ID AAH230

AAH23086 standard; DNA; 1678

0;

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RESULT 9
AAQ11503/c
ID AAQ115
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                                      Matches
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                                               Best Local
                                                                                                            Two probes were prepared based on the known partial amino acid sequences of both chains of the Cytolysis Inhibitor and used to screen a liver-specific CDNA library. One clone which hybridised positively to both probes was found to contain a 1.7kb BamHI-KpnI fragment. This was inserted into plasmid positive dive pGEM4/ZI-1. E.coli transformed with the plasmid are deposited under DSM # 5269. The insert has the sequence given in this file.
                                                                                                                                                                                      Claim
                                                                                                                                                                                                                 DNA sequence
of terminal
                                                                                                                                                                                                                                             WPI;
                                                                                                                                                                                                                                                             Tschopp J,
                                                                                                                                                                                                                                                                                                   06-OCT-1989;
                                                                                                                                                                                                                                                                                                                                                                                            mat_peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                            cytolysis inhibitor; perforin; immunological effector molecule;
infertility; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAQ11503 standard; DNA; 1651
                                                                                   Sequence 1651 BP; 405 A;
                                                                                                     See also AAQ11501
                                                                                                                                                                                                                                                                                                                    06-OCT-1989;
                                                                                                                                                                                                                                                                                                                                                         DE3933850-A
                                                                                                                                                                                                                                                                                                                                                                                                               sig_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cytolysis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAQ11503;
                                                                                                                                                                                                                                                                               (SCHD ) SCHERING AG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             156 ATTGTCTGAGACCGTCTGGTC 136
attgtctgagaccgtctggtc
                                                                                                                                                                                                                                             1991-118338/17
                                                                                                                                                                                                                                                                                                                                                                                                                                          sapiens
                                                                                                                                                                                      2; Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21;
                                               Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Inhibitor
                                                                                                                                                                                                                e coding for cytolysis inhibitor - complement protein, e.g. perforin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                      Conservative
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                                                                                                                                                                                     8; 15pp;
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/product=
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262..1542
                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers 199..261
                                                                                                     and AAQ11502
                                               100.
                                                                                                                                                                                      German.
                                               .0%;
                                                        .0%;
                                                                                   481 C;
                                                                                                                                                                                                                                                                                                                                                                           cytolysis
  262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21
                                     0;
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                                               Pred. No. 0.33;
                                                       Score 21;
                                                                                    447
                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                   ç;
                                                                                                                                                                                                                                                                                                                                                                            inhibitor
                                                                                    318
                                                        DB 12;
                                                                                    T; 0
                                      0;
                                                                                                                                                                                                                  is strong secreted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
                                                                                    other;
                                                        Length 1651;
                                      Indels
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by killer
                                     0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
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                                      Gaps
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RESULT 11
AAD05495/c
ID AAD0554
AC AAD054
AC AAD054
AC AAD054
XX 18-JUL
XX 18-JUL
XX Human
XX Human;
KW Human;
KW foetal
KW Parkir
KW Psorle
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                                                                                                                                                                                                                                                                                                                           Query Match
Best Local S
Matches 21
                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequences AAH23071-23152 represent nucleic acid sequences derived from osteoarthritis tissues. The sequences are useful as probes and for the diagnosis or prognosis of mammalian osteoarthritis. The polynucleotides and polypeptides of the invention are useful for generating diagnostic reagents, as targets for small molecule drug development, generation of therapeutics, and cloning genes. Specific antibodies are used to generate enzyme linked immunosorbent assays for detection of osteoarthritis. The invented molecules can be used to treat osteoarthritis or to analyse the disease-modifying activity of osteoarthritis drugs. Other disorders treatable using the nucleic acid sequences include atopic, inflammatory and infectious disorders e.g. Crohn's disease and sepsis, and wound
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Osteoarthritis; infectious disorder; Crohn's disease; sepsis; human; wound healing; osteopathic; anti-arthritic, anti-inflammatory; vulnerary; antibacterial; antiallergic; ds.
                                                                                                                           18-JUL-2001
                                                                                                                                                         AAD05495
                                                                                                                                                                                       AAD05495 standard;
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1678 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Substantially purified protein, identify a biologically active
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Phippard D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18-JAN-2000; 2000US-0176523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-JAN-2001; 2001WO-US00016
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Osteoarthritis tissue-derived nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAH23086;
              Parkinson's disease; cognitive disorder; schizophrenia; skin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mammalian osteoarthritis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (PHAA ) PHARMACIA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-SEP-2001 (first entry)
                             immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis;
                                                                                                                                                                                                                                                                 156 ATTGTCTGAGACCGTCTGGTC 136
                                                                                                                                                                                                                                                                                  1 attgtctgagaccgtctggtc 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sapiens.
                                                                                            secreted
                                              secreted protein; proliferative disorder; cancer; tumour; abnormality; developmental abnormality; haematopoietic dis
                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Page 102-103; 144pp; English.
                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Vasanthakamur G,
                                                                                          protein-encoding gene 4 cDNA clone HOFOC33,
                                                                                                                                                                                                                                                                                                                                                                                                       424 A; 491 C;
   diabetes;
                                                                                                                                                                                     CDNA; 518
                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                        Score 21; DB 2
Pred. No. 0.33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , polypeptide or their fragments, used compound or composition and treat
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                                                                                                                                                                                                                                                                                                                                                                                                       450 G;
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                                                                                                                                                                                                                                                                                                                                                                                                         313
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 cardiovascular
                                                                                                                                                                                                                                                                                                                               0
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                                               disorder;
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                                                             asthma
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gene
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                                                                                                                                                                                                                                                                                                                                                                                                     sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                 SS.
                                                                                                                                                                                                                                                                                                                                                    /product= "Human secreted protein precursor"
/transl_except= (pos:387..389, aa:Xaa)
/transl_except= (pos:414..416, aa:Xaa)
/note= "Xaa_corresponds to any of the naturally occurring
                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers 81..419
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01-NOV-2000; 2000WO-US30036
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                                                                        /*tag= c
/product=
                                                                          "Mature human
                                                                          secreted
                                                                          protein"
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mat_peptide sig_peptide

/*tag= t 144..416 L-amino acids" 81..143

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27-JUL-2000; 05-NOV-1999; (HUMA -) 2000US-0221366. 99US-0163576 SCI INC

Soppet DR, 2001-316492/33 Komatsoulis G, Olsen ,SH Ruben

Isolated nucleic acid molecule encoding a human secreted protein used in preventing, treating or ameliorating a medical condition

Claim 1; Page 413; 540pp; English

CC AAD05492-AAD05564 represent cDNAs corresponding to 22 human secreted
CC protein genes, and AAE01672-AAE01743 represent the proteins they encode.
CC AAE01744-AAE01763 represent human secreted protein fragments or variants.
CC The secreted proteins and their genes are useful for preventing, treating
CC or ameliorating medical conditions, e.g., by protein or gene therapy.
CC Pathological conditions can be diagnosed by determining the amount of the
CC new protein in a sample or by determining the presence of mutations in
CC the new genes. Specific uses are described for each of the 22 genes,
CC based on the tissues in which they are most highly expressed, and include
CC discorders, cancer, tumours, foetal and developmental abnormalities,
CC discases (e.g., rheumatoid arthritis), inflammation, allergies,
CC neurological disorders (e.g., Alzheimer's disease, Parkinson's disease),
CC cognitive disorders, schizophrenia, asthma, skin disorders (e.g.,
CC psoriasis), sepsis, diabetes, atherosclerosis, cardiovascular disorders,
CC proteins can also be used to aid wound healing and epithelial cell
CC proteins can also be used to aid wound healing and epithelial cell
CC proteins can also be used to aid wound healing and epithelial cell
CC proteins can also be used to aid wound healing and epithelial cell
CC protein character, to identify their cognate ligands or binding
CC partners, and in chemotaxis, and can be used as a food additive or
CC preservative to modify storage properties. Antibodies specific for a
CC protein of the invention can be used as a food additive or
CC protein of the invention can be used as a food additive or
CC protein servative to modify storage properties. Antibodies specific for a
CC protein of the invention and above, and in diagnostic immunoassays e.g.,
CC The present sequence represents a human secreted protein-encoding cDNA of

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AADO552/C
ID AADO55
XX AADO55
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XX IB-
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Best Local :
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pregnancy-related disorder; endocrine disorder; infection; wound healing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Parkinson's disease; cognitive disorder; schizophrenia; skin disorder; psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder; inflammation; neurological disorder; Alzheimer's disease; food additive;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
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AAD05492-AAD05564 represent cDNAs corresponding to 22 human secreted protein genes, and AAE01672-AAE01743 represent the proteins they encode
                                                                                                                                                                                                                                                                                                                                                                                          05-NOV-1999; 99US-0163576.
27-JUL-2000; 2000US-0221366.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis; Parkinson's disease; cognitive disorder; schizophrenia; skin disorder;
                                                                                                                                                                                                                                                                                                                                           (HUMA-) HUMAN GENOME SCI INC
                                                                                                                                  Isolated nucleic acid molecule encoding a human secreted protein used in preventing, treating or ameliorating a medical condition
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     164 AGTGTCTGAGACCATCTGGTC 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 attgtctgagaccgtctggtc
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DB; AAE01702.
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abnormality; developmental abnormality; haematopoietic disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
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                                                                                   Page 434;
                                                                                                                                                                                                                                                                                         Komatsoulis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein-encoding gene 4 cDNA clone HOFOC33,
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132..416
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/product=
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/trans1_except= (pos:391.293, aa:Xaa)
/trans1_except= (pos:397.389, aa:Xaa)
/trans1_except= (pos:414.416, aa:Xaa)
/note= "Xaa corresponds to any of the natura
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cDNA; 518
                                                                                540pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Mature human secreted protein"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21
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                                                                                                                                                                                                                                                                                           Shi Y,
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Pred. No. 12;
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                                                                                                                                                                                                                                                                                           Olsen
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of the naturally occurring
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CThe secreted proteins and their genes are useful for preventing, treating cor ameliorating medical conditions, e.g., by protein or gene therapy.

CC Pathological conditions can be diagnosed by determining the amount of the conditions can be diagnosed by determining the amount of the conditions can be diagnosed by determining the amount of the conditions in the new genes. Specific uses are described for each of the 22 genes, conditions on the tissues in which they are most highly expressed, and include developing products for the diagnosis or treatment of proliferative concerts, tumours, foetal and developmental abnormalities, conditive disorders, diseases of the immune system, AIDS, autoimmune contrological disorders (e.g., Alzheimer's disease, Parkinson's disease), concertive disorders, celg., Alzheimer's disease, Parkinson's disease), concertive disorders, kidney disorders, skin disorders, celg., alzheimer's disease, Parkinson's disorders, conguitive disorders, schizophrenia, asthma, skin disorders, disorders, conguitive disorders, and disorders, and infections. The proteins can also be used to aid wound healing and epithelial cell conditive or a proliferation, for supporting cell culture of primary tissues, concernate transplantation, for supporting cell culture of primary tissues, to identify their cognate ligands or binding constitution of the invention can be used in alleviating symptoms associated with the disorders mentioned above, and in diagnostic immunoassays e.g., concernate sequence represents a human secreted protein-encoding cDNA of the invention.
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Best Local 9
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                                                                                                                                                                                                                                        Parkinson's disease; cognitive disorder; schizophrenia; asthma; skin disorder; psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder; angiogenic disorder; kidney disorder; gastrointestinal disorder; pregnancy-related disorder; endocrine disorder; infection; wound healing; vulnerary; cell culture; chemotaxis; food additive; gene therapy;
                                                                                                                                                                                                                                                                                                                                                   Human; secreted protein; proliferative disorder; cancer; tumour; foetal abnormality; developmental abnormality; haematopoietic disorder; immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis; inflammation; allergy; neurological disorder; Alzheimer's disease; paykingon; allergy; neurological disorder; Alzheimer's disease;
                                    mat_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted protein-encoding gene 1 cDNA clone HOFOC33,
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                                                                      sig_peptide
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                                  /product=76..126
/*tag= b
127..492
                                                                                                                                                                                                                          identification; ss
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/product=
                                                                                                                                 76..495
                                                                                                                                                 location/Qualifiers
                    /*tag=
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                                                                                          "Human
  "Mature
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Pred. No. 1;
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  human
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secreted
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                                                                                          protein precursor"
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protein"
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RESULT 1
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AC AAD0
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                                                                                                                                                              Query Match
Best Local S
Matches 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human secreted proteins and nucleic acids for diagnosing, preventing and treating neurological, cardiovascular, infectious, autolamune, gastroigtestinal, bone disorders, cancer, particularly ovarian cancer
 AAD05523;
                              AAD05523 standard; cDNA; 1670
                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; Page 384-385; 421pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Komatsoulis G,
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17-DEC-1999;
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19; Conser
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99US-0172411.
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n CA, Ruben SM, Duan RD,
N1 J, Soppet DR, Shi Y;
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90.5%;
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D, Young
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PE, Florence KA;
                                                                                                                                                                                            1670;
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                                                                                                                                                               Gaps
                                                                                                                                                               0,
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Human; Secreted process, recommendating; haematopoietic disorder; foetal abnormality; developmental abnormality; haematopoietic disorder; fimune system disorder; AIDS; autoimmune disease; rheumatoid arthritis; Parkinson's disease; cognitive disorder; schizophrenia; skin disorder; psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder; psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder; inflammation; neurological disorder; Alzheimer's disease; food additive; angiogenic disorder; kidney disorder; gastrointestinal disorder allergy; pregnancy-related disorder; endocrine disorder; infection; wound healing; pregnancy-related disorder; vulnerary; binding partner identification;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted protein-encoding gene 4 cDNA clone HOFOC33,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   secreted protein; proliferative disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NO:42
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05-NOV-1999; 99US-0163576 27-JUL-2000; 2000US-0221366 sig_peptide CDS Soppet DR, (HUMA-) HUMAN GENOME SCI INC 01-NOV-2000; 2000WO-US30036 WO200134767-A2 mat_peptide sapiens. Komatsoulis /product=76..126 /*tag=b 127..492 /product= Location/Qualifiers 76..495 /*tag= "Mature human secreted protein" "Human secreted protein precursor" Shi Y, Olsen , SH Ruben

Isolated nucleic acid molecule encoding a hur used in preventing, treating or ameliorating human secreted protein ing a medical condition į.

AAE01703

Claim 1; Page 434-435; 540pp; English

or amellorating medical conditions, e.g., by protein or gene therapy.

CR Pathological conditions can be diagnosed by determining the amount of the protein in a sample or by determining the presence of mutations in the new genes. Specific uses are described for each of the 22 genes, carefully expressed, and include the new genes. Specific uses are described for each of the 22 genes, the new genes in which they are most highly expressed, and include ceveloping products for the diagnosis or treatment of proliferative concer, tumours, foetal and developmental abnormalities, and insorders, cancer, tumours, foetal and developmental abnormalities, and insorders, cancer, tumours, foetal and developmental abnormalities, and insorders, remarked disorders of the immune system, AIDS, autoimmune cliseases (e.g., rheumatoid arthritis), inflammation, allergies, and expresses (e.g., rheumatoid arthritis), inflammation, allergies, conjutive disorders (e.g., Alzheimer's disease, Parkinson's disease), cognitive disorders (e.g., Alzheimer's disease, Parkinson's disease), cognitive disorders, schizophrenia, asthma, skin disorders (e.g., Cognitive disorders, schizophrenia, asthma, skin disorders (e.g., Cognitive disorders, schizophrenia, asthma, skin disorders.)

CC pariniss can also be used to aid wound healing and epithelial cell corpolities can also be used to aid wound healing and epithelial cell corpolities and also be used to aid wound healing and epithelial cell corpolities, and in chemotaxis, and can be used as food additive or pariners, and in chemotaxis, and can be used as a food additive or pariners, and in chemotaxis, and can be used as a food additive or AAD05492-AAD05564 represent cDNAs corresponding to 22 human secreted protein genes, and AAE01672-AAE01743 represent the proteins they encode. AAE01744-AAE01763 represent human secreted protein fragments or variants. The secreted proteins and their genes are useful for preventing, treating in chemotaxis, and can be used to modify storage properties. Ar

33333×3

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RESULT 15
AADO8191/c
ID AADO81
XX AADO81
XX Human;
KW Human;
KW foetal
KW inmune
KW Endoci
KW Skin di
KW cendoci
KW Cendo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 19; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis; inflammation; allergy; neurological disorder; Alzheimer's disease; Parkinson's disease; cognitive disorder; schizophrenia; asthma; skin disorder; psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder; anglogenic disorder; kidney disorder; gastrointestinal disorder; pregnancy-related disorder; gene therapy; endocrine disorder; infection; wound healing; vulnerary; cell culture; chemotaxis; food additive;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein of the invention can be used in alleviating symptoms associated with the disorders mentioned above, and in diagnostic immunoassays e.g., radicimmunoassay or enzyme linked immunosorbent assay (ELISA). The present sequence represents a human secreted protein-encoding cDNA of the invention.
Novel human secreted proteins and nucleic acids for diagnosing, preventing and treating neurological, cardiovascular, infectious, autoimmune, gastrointestinal, bone disorders, cancer, particularly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; secreted protein; proliferative disorder; cancer;
foetal abnormality; developmental abnormality; haematopo
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                                                                                                                                                                                                                                                                                                                                                                     02-NOV-1999;
17-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-OCT-2000; 2000WO-US28664
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mat_peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    binding partner identification; ss.
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99US-0172411.
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91..153
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154..1179
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /product= "Mature human secreted protein precursor"
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                                                                                                                                                                                          Lafleur DW, Olsen
n CA, Ruben SM, D
Ni J, Soppet DR,
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90.5%;
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Pred. No. 15;
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cm. Duan RD, y
chi Y;
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D, Young
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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                                                                                                                                                                                                                                                          Ebner R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tumour;
                                                                                                                                                                                                                                  Florence
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В QΥ

Matches

l Similarity 19; Conserv

Conservative

0

Mismatches 15;

84.8%;

Score 17.8; Pred.

DВ 22; 2

Length 1684; Indels

0;

Gaps

0

Search completed: May 17, Job time: 7047 sec

2002, 16:13:55

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CC treating or ameliorating medical conditions, e.g., by protein or gene CC therapy. Pathological conditions can be diagnosed by determining the CC amount of the new protein in a sample or by determining the CC amount of the new genes. Specific uses are described for each of the CC 19 genes, based on the tissues in which they are most highly expressed, and include developing products for the diagnosis or treatment of CC proliferative disorders, cancer, tumours, foetal and developmental CC abnormalities, haematopoietic disorders, diseases of the immune system, CC AIDS, autoimmune diseases (e.g., rheumatooid arthritis), inflammation, CC parkinson's disease), cognitive disorders, schizophrenia, asthma, CC skin disorders (e.g., psoriasis), sepsis, diabetes, atherosclerosis, CC cardiovascular disorders, angiogenic disorders, kidney disorders, cd disorders, and infections. The proteins can also be used to aid wound the country, to maintain organs before transplantation, for supporting cell CC sunburn, to maintain organs before transplantation, for supporting cell CC sunburn, to maintain organs before transplantation, for supporting cell CC cognate ligands or binding partners, and in chemotaxis, and can be used as a food additive or preservative to modify storage properties.

CC antibodies specific for a protein of the invention can be used in diagnostic immunoassays e.g., raddoimmunoassay or enzyme linked CC imdiagnostic immunoassays e.g., raddoimmunoassay or inhed above, and can be careted protein-encoding cDNA of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AADO8191-AADO8213 represent cDNAs corresponding to 19 human secreted protein genes and AAE03764-AAE03786 represent the proteins they encode. AAE03787-AAE03800 represent human secreted protein fragments or variants. The genes and their secreted proteins are useful for preventing.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; Page 375; 421pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ovarian cancer
Sequence 1684 BP;
429 A; 478 C; 435 G;
342 T; 0 other;
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В δÃ

0 0 0 0 0 0 0 0 0 0 0

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Title:
Perfect score:
Sequence:
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Listing first 45 summaries
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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Gapop 10.0 , Gapext 1.0
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21
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AE009113 Agrobacte	AE00911	щ.	155	77.1		45
007202 Sinorhi	AEOU72	· -	ľ	//.1	٠.	44
2883 Arabid	ATHHANK	- &	229		16.2	43
370145 Arabidop	AF370145		87	7.	σ.	42
007910 Homc	BC00791		70	7.	6	41
2 Oryctola	AF1188		67	7.	6.	40
058077 Homo sap	AK05807		50	7.	6.	39
50193 SHG	G50193		\vdash	7.	6.	38
315020 Sequenc	AX31502		26	7.	<u>ი</u>	37
096975 Rattus	AC0969		516	8	6	36
099305 Rattus	AC09930		195	8	5	ω 5
095616 Rattus	AC09561		972	8	6.	34
100112 Mus mus	AC10011		843	8	6	ω
0112 Mus musc	AC10011		843	8	6.	32
1812 Homc	AC06481		8079	0.	9	31
9507 Mus mu	AC07950		7926	0	6.	30
1620 Oryz	AP00462		7766	0	6.	29
2460 Human	AC00246		7495	0	6.	28
5765 ното ѕар	AC01576		6557	0	6	27
9422 Homo	AC06942		6324	0.	6.	26
3648 Homo sap	AC09364		6154	0	6	25
2243 Homo s	AC01224		4413	0	6	24
4762 Oryza	AP00476		803	0.	6.	23
6 Humai	AL44598		2087	0.		22
3422 Strept	SCM1		4396	0		21
62323 Homo	AY06232		34	0	5	20
078623 Human DN	HSJ1069C		7710	ν.	7.	19
310932 Homo sap	HSA310		8888	4.	7.	18
20786 Mus musc	AC02078		2787	4.	7.	17
AC083814 Mu	AC0838		41	4.	7.	16
8949 Human DNA	LSH.		7351	4	7.	15
092103 Homo sap	AC09210		7183	4	7.	14
000360 Homo sap	AC00036		3613	4.	7.	13
311103 Homo sap	AF31110		3443	0	21	12
025192 Homo sap	AC(8745	00.	ш	11
235104 Homo	AF235104		7538	00.	_	10
3376 Human TRPM	HUMTRPM		61	00.	ш	9
10514 Hom	BC01		89	00.	μ	œ
202086 Sequence	AX20208		67	00.	ш	7
4723 Human SP-4	HSCSP40		67	00.	μ,	6
019588 Homo sap	BC019		65	00.	_	ഗ
5915 Human comp	HUMCL	9	1651	100.0		4
1577 blood plas	A21577		65	00	_	ω
4722 Human TRP	HUMTRPM		64	00:	μ,	21
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Sequence 15 from Patent WO0118046.
                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 396) Xu,J. and Stolk,J.A. Ovarian tumor sequences and methods of use therefor Patent: WO 0118046-A 15 15-MAR-2001; CORIXA CORPORATION (US)
                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                 human.
                                                                                                                                                                                                                                                            AX093197.1 GI:13509646
    129
/organism="Homo sapiens"
/db_xref="taxon:9606"
1. 396
/note="n = A,T,C or G"
a 83 c 121 g 62
                                                                                       Location/Qualifiers
    62
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Query Match Length

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21; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Molecular characterization of human TRPM-2/clusterin, a gene associated with sperm maturation, apoptosis and neurodegenera to the specific specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Genomic organization and expression of the gene, a gene implicated in apoptosis J. Biol. Chem. 268 (7), 5021-5031 (1993)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Euthería; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="G1:339973"
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/gene="TRPM-2"
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ERLTRKYNELLKSYQWKMLNTSSLLEQLNEQFNWVSRLANLTQGEDQYYLRVTTVASH
TSDSDVPSQVTEVVVKLFDSDPITVTVPVEVSRKNPKFMETVAEKALQEYRKKHREE"
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                        Length 1648;
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blood plasma glycoprotein; complement cytolysis secretory glycoprotein; seminal plasma protein; complement complex (C5b-9s) component.
Human (adult) liver, cDNA to mRNA, clone CLI-1.
                                                                                                             1 (bases 1 to 1651)
Jenne, D.E. and Tschopp, J.
Molecular structure and functional characterization of a human
complement cytolysis inhibitor found in blood and seminal plasma:
Identity to sulfated glycoprotein 2, a constituent of rat testis
                                                                                                                                                                                                                                                                                                                                                                             Human complement cytolysis inhibitor (CLI) mRNA, c M25915
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                                      Draft entry and computer-readable sequence for [1] kindly submitted
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D.E.Jenne, 05-JUL-1989.
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//db_xref="GI:579602"
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//db_xref="MKTLLEFVGLLLTWEESQVLGDQTVSDRESERSKQGSKYVNKE
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IONAVNGVKOLKFLLEGTCKEFTLSNLEGAKKKEDALNEFESTLANGOFTLDS
//db_xref="MKTLLEFTLSHLEGAQQAMDIFFHESTFEFTRE
//db_xryf="LTKYNGLKGYQKKLTSSLLGDLNGGFHAVSRLANLTGGEDQYYLRVT"VASHT
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/product="blood plasma componenet having a biological activity of inhibiting cytolysis mediated by a cytolytic protein"
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                              Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BC019588 1658 bp mRNA linear PRI 22-JAN-2002 HOMO sapiens, clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate messade 2, apolipoprotein J), clone MGC:24903 IMAGE:4915444, mRNA, complete
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Series: IRAK Plate: 29 Row: m Column: 21
                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (19-DEC-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                               Contact: amg@bcm.tmc.edu
Gunaratne, P.H., Garcia, A.M., Lu,
Yoon, V.S., Kowis, C.R., Lawrence,
                                                                                                                                                                                                                                                                                                                                                                NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
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ETMMALWEECKPCLKQTCMKFYARVCRSGSGLVGRQLEEFLNQSSPFYFMMNGDRIDS
LLENDRQQTHMLDVMQDHFSRASSIIDELFQDRFFTREPQDTYHYLPFSLPHRRPHFF
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/db_xref="GI:180620"
/translation="MKTLLLEVGLLLTWESGQYLGDOTVSDNELQEMSNQGSKYVNKE
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                                                                                                                            2 (bases 1 to 1676)
Kirszbaum, L. Sharpe, J.A., Murphy, B., d'/
Hudson, P. and Walker, I.D.
Molecular cloning and characterization of
complement associated protein, SP-40,40:
complement and reproductive systems
EMBO J. 8 (3), 711-718 (1989)
                                                                         The sequence overlaps with that reported Clin. Invest. 81:1858-1864(1988).
                                                                                                                                                                                                                                                                  Victoria 3052, Australia
                                                                                                                                                                                                                                                                                     Submitted (17-MAR-1989) Kirszbaum L., The University of Melbourne, The Preclinical Centre, School of Veterinary Science, Parkville
                                                                                                                                                                                                                                                                                                                           Direct Submission
                                                                                                                                                                                                                                                                                                                                                  Kirszbaum,
                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/protein_id="AAH19588.1"
/db_xref="GI:18043615"
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EGDDDRTVCREIRHNSTGCLRMKDQCDKERILSVOEGSTNNPSQAKLRRELDESLQVA
ERLIPKKYNELLKSYQMKMLNTSSLLEQLINEQFINWVSRLAUTQGEDQYYLRVTTVSAK
TSDSDYPSGVTEVVVKLFDSDPITVTVPVEVSRKNPKFMETVAEKALQEYRKKHREE"
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/db_xref="LocusID:1191"
/db_xref="Laxon:9606"
/clone="MGC:24903 IMAGE:4915444"
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/organism="Homo sapiens"
/db_xref="taxon:9606"
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Mammalla; Eutheria; Primates; Catarrhi
1 (bases 1 to 1678)
Phippard,D., Vasanthakamur,G., Dotson,
Osteoarthritis tissue derived nucleic
                                                       h 100.0%;
Similarity 100.0%;
21; Conservative
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/tissue_type="liver"
/clone_lib="lambda gt1
/8 .113
48 .1397
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/note="pot.
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/db_xref="taxon:9606"
491 c 450 g 31
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EGDDDRTVCREIRHNSTGCLRMKDQCDKCREILSVDCSTNNPSQAKLRRELDESLQVA
ERLTRKYNELLKSYQMKMLNTSSLLEQLNEQFNWVSRLANLTQGEDQYYLRVTTVASH
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Score 21; DB 9; Pred. No. 1.2; Mismatches

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Tissue Procurement: David N. Louis, M.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genome
Sequencing Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Clone distribution: MGC clone distribution through the I.M.A.G.E. Consortium/LLNL at: Series: IRAK Plate: 19 Row: o Column: 12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Web site: http://www.hgsc.bcm.tmc.edu/cdna/
Contact: villalon@bcm.tmc.edu.
Villalon, D.K., Luna, R.A., Hale, S.M., Hulyk,
A.M., Holloway, M., Telford, B, Hodgson, A., Bc
Muzny,D.M., Gibbs,R.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (10-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BC010514 1684 bp mRNA linear PRI 12-JUL-2001 Homo sapiens, clusterin (complement lysis inhibitor, Sp-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J), clone MGC:18080 IMAGE:4150452, mRNA, complete
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Contact: MGC help desk
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/db_xref="taxon:9606"
/clone="MGC:18080 IMAGE:4150452"
/tissue_type="Brain, glioblastoma wi
/clone_lib="NCI_CGAP_Brn64"
/lab_host="DH10B"
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                                             EGDDDRTYCREIRHNSTGCLRMKDQCDKCREILSYDCSTNNPSQAKLRRELDESLQVA
ERLTRKYNELLKSYQWKMLNTSSLLEQLNEQFNWYSRLANLTQGEDQYYLRVTTVASH
TSDSDYPSGYTEVVYKLFDSDPITYTYPYEVSRKNPKFMETVAEKALQEYRKKHREE"
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                                                                                                                                                           NETMMALWEECKPCLKQTCMKFYARVCRSGSGLVGRQLEEFLNQSSPFYFWMNGDRID
SLLENDRQQTHMLDVMQDHFSRASSIIDELFQDRFFTREPQDTYHYLPFSLPHRRPHF
                                                                                                                                      FFPKSRIVRSLMPFSPYEPLNFHAMFQPFLEMIHEAQQAMDIHFHSPAFQHPPTEFIR
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                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 175382)
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Homo sapiens chromosome 8 clone
seguence
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J. Biol. Chem. 268 (7), 5021-5031 (1993)
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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Unpublished
               Chromosome 8 genomic sequence
                            Platzer,M.
                                        Wen, G., Reichwald, K., Baumgart, C., Taudin, S., Baumgart, C. and
                                                                                              Homo sapiens
                                                                                                                           AF235104.3 GI:18543385
HTG; HTGS_FULLTOP; HTGS_ACTIVEFIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      associated with sperm maturation, apoptosis and neurodegeneration Eur. J. Biochem. 221 (3), 917-925 (1994)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Molecular characterization of human TRPM-2/clusterin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Wong,P., Taillefer,D., Lakins,J., Pineault,J., Chader,G. Tenniswood,M.
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and Tenniswood,M.
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/gene="TRPM-2"
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/db_xref="taxon:9606"
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                                              187453 bp DNA linear HTG 13-MAY-2001 HOMO Sapiens chromosome 8 clone RP11-509E2 map 8, WORKING DRAFT SEQUENCE, 7 unordered pieces.
ACC025192
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence Quality Assessment:
This entry has been annotated with sequence quality estimates computed by the Phrap assembly program.
All manually edited bases have been reduced to quality 10.
Quality levels above 40 are expected to have less than 1 error in 10,000 bp.
Base-by-base quality values are not generally visible from the GenBank flat file format but are available as part of this entry's ASN.1 file.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (06-FEB-2002) Genome Analysis, Institute of Molecular Biotechnology, Beutenberstr. 11, Jena, Thuringia 07745, Germany On Feb 6, 2002 this sequence version replaced gi:8152056.
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Reichwald, K., Menzel.U., Dette, M., Baumgart, C., Jahn, N., Wen, G., Schillhabel, M. and Rosenthal, A.
Direct Submission
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HTG; HTGS_PHASE1; HTGS_DRAFT
                         AC025192.3 GI:12313839
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Center code: IMB
Web site: http://genome.imb-jena.de/
Contact: gscj-submit@genome.imb-jena.de
Conter: gscj-submit@genome.imb-jena.de
Center project name: H342
Center clone name: GSI-251107
Center clone name: GSI-251107
Center clone name: GSI-251107
Center summary Statistics
Sequencing vector: M13; 1100% of reads
Sequencing vector: M13; 1100% of reads
Assembly program: Phrap: version 0.990329
Consensus quality: 172785 bases at least Q40
Consensus quality: 17289 bases at least Q30
Consensus quality: 174952 bases at least Q30
Quality coverage: 6.88 x in Q20 bases; sum-of-contigs
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/clone="GS1-251I07"
1 38626 c 38604 g
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/db_xref="taxon:9606"
/chromosome="8"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Web site: http://www-seq.wi.mit.edu
Contact: sequence_submissions@genome.wi.mit.edu
Contact: sequence_submissions@genome.wi.mit.edu
Conter project information
Center project name: L5592
Center clone name: 509_E_2
Consensus quality: project name: 528 of reads
Assembly program: phrap: version 0.960731
Consensus quality: 185120 bases at least 040
Consensus quality: 186074 bases at least 020
Consensus quality: 186073 bases at least 020
Consensus quality: 186533 bases at least 020
Insert size: 186083; sum-of-contigs
Quality coverage: 8.9 in 020 bases; agarose-fp
Quality coverage: 8.9 in 020 bases; agarose-fp
Quality coverage: 8.3 in 020 bases
* NOTE: This is a 'working draft' sequence. It currently
* consists of 7 contigs. The true order of the pieces
* arbitrary. Gaps between the contigs are represented as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (07-MAR-2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA On Jan 19, 2001 this sequence version replaced gi:8901239.

All repeats were identified using RepeatMasker:

Smit, A.F.A. & Green, P. (1996-1997)

http://ftp.genome.washington.edu/RM/RepeatMasker.html
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Homo sapiens

Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 187453)

Birren,B., Linton,L., Nusbaum,C. and Lander,E.
                                                                                                                                                                                                                                                                                                                                                                                                                   arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence
                                                                                                                                                                                                                                                                                                                                        as soon as it is available and the accession number will be preserved.
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                               1 17773: contig of 17773 bp in length
17774 17873: gap of 100 bp
17874 20278: contig of 2405 bp in length
20279 20378: gap of 100 bp
20279 20378: gap of 100 bp
20379 35742: contig of 15364 bp in length
35843 65413: contig of 29571 bp in length
65414 65513: gap of 100 bp
   112793: contig of 47280 bp in length
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Submitted (04-OCT-2000) Genome Analysis, Institute of Molecular Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany 3 (bases 1 to 234431)
Wen,G. and Platzer,M.
Direct Submission
Submitted (06-FEB-2002) Genome Analysis, Institute of Molecular Biotechnology, Beutenberstr. 11, Jena, Thuringia 07745, Germany On Feb 6, 2002 this sequence version replaced g1:14389409.
                                                                                                                                                                                                                                                                                                                                           Blechschmidt,K., Jandrig,B., Baumgart,C., Dette,M.D., Jahn,N., Menzel,U., Schilhabel,M.B., Wen,G., Taudien,S. and Rosenthal, PDirect Submission
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Homo sapiens chromosome 8 clone SCb-212e3 map
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112894. .150031
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17874. .20278
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This entry has been annotated with sequence quality
estimates computed by the Phrap assembly program.
All manually edited bases have been reduced to quality
All manually edited bases have been reduced to quality
                                                                                                                        3 (bases 1 to 136131)
Crabtree, J.S. and Roe, B.A.
Homo sapiens Chromosome 2 BAC Clone 376al
Lantu,L. and Roe,B.A., Direct Submission
Submitted (08-MAR-1997) Department Of Chemistry And Biochemistry, The University Of Oklahoma, 620 Parrington Oval, Room 208, Norman, OK 73019, USA
                                                                                            Unpublished
                                                                                                                                                                                               2 (bases 1 to 136131)
Kim, U.-J. and Simon, M.I.
                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1_(bases 1_to 136131)
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Homo sapiens Chromosome 2 BAC
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                                                                                                                                                                                                                                                     McDermid, H.E.
                                                                                                                                                                                                                                                                                                                                                                                                   AC000360
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Base-by-base quality values are not generally visible from GenBank flat file format but are available as part of this entry's ASN.1 file.
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                                                                                       (bases 1 to 136131)
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Consensus quality: 233404 bases at least Q40 Consensus quality: 234413 bases at least Q20 Consensus quality: 234428 bases at least Q20 Quality coverage: 5.81 x in Q20 bases; sum-of-contigs
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Contact: gscj-submit@genome.imb-jena.de
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Center clone name: SCb-212e3
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Center code: IMB
Web site: http://
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56257 c 55890 g 59291 t
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACCESSION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  62757 ATTGTCTGAGACATTCTGGTC 62777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 attgtctgagaccgtctggtc
                              Sequencing vector: M13; 0%
Sequencing vector: plasmid; 100%
Sequencing vector: plasmid; 100%
Chemistry: Dye-primer ET; 0% of reads
Chemistry: Dye-terminator Big Dye; 100% of reads
Assembly program: Phrap: version 0.990319
Consensus quality: 168799 bases at least 040
Consensus quality: 168795 bases at least 030
Consensus quality: 169732 bases at least 020
Insert size: 176000; agarose-fp
Ouality coverage: 8.19 in 020 bases; agarose-fp
Quality coverage: 7.96 in 020 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5 (bases 1 to 136131)
Crabtree,J.S., McDermid,H.E., Kim,U.-J., Simon,M.I. and Roe,B.A.
Direct Submission
Submitted (03-JAN-2001) Department Of Chemistry And Biochemistry,
The University Of Oklahoma, 620 Parrington Oval, Room 208, Norman,
OK 73019, USA
ON JONA
ON JONA
Location/Qualifiers
1. .136131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        l Similarity 90.1
                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (21-JUN-2001) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest park Parkway, St. MO 63108, USA
On Jan 24, 2002 this sequence version replaced gi:16799048.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 (bases 1 to 171830) Waterston, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AC092103 171830 bp DNA linear Homo sapiens chromosome 2 clone RP11-143D11, WORKJ SEQUENCE, 12 unordered pieces.
                                                                                                                                                                                                                                                                                              Center project name: H_NH0143D11
                                                                                                                                                                                                                                                                                                                      Web site:http://genome.wustl.edu/gsc/index.shtml
Contact: submissions@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                        Center: Washington University Genome Sequencing Center Center code: WUGSC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Waterston, R.H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AC092103.4 GI:18308811
HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_FULLTOP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AC092103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The sequence of Homo sapiens clone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mammalia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota;
NOTE: This is a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="2"
/clone="376a1"
a 29927 c 29780 g 38975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Metazoa; Chordata; Eutheria; Primates; 1 to 171830)
                                                                                                                                                                                                                                                          ---- Summary Statistics -----
                                                                                                                                                                                                                                                                                                              ---- Project Information
                                                                                                                                                                                                                                                                                                                                                                                                          ----- Genome Center -----
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'working draft'
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Pred. No. 50;
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                                                                                                                                                                                                                                                                                    Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
sequence. It currently
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ORIGIN
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                                                                                                                           Query Match
Best Local Similarity
  122060 ATTGTCTGAGACATTCTGGTC 122080
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                          1 attgtctgagaccgtctggtc 21
                                                                                                         19;
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                                                                                                                                                                                                                                                          47788
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51583
51683
67876
67976
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2938
3038
23811
23911
27902
27902
27902
32274
32374
37773
                                                                                                                                                                                                                                                                                                                                                                                                            /note="assembly_name:Contig59"
67976. .86364
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note="assembly_name:Contig57"
37873. .51582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note="assembly_name:Contig56" 32374 .37772
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note="assembly_name:Contig28" 2547. .2937
                                                                                                                                                                                                                                                       /note="assembly_name:Contig61"
104765, 171830
/note="assembly_name:Contig63"
37462 c 36363 g 49114 t
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23911. .27801
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            51683
                                                                                                                                                                                                                                                                                                                                                                              /note="assembly_name:Contig60"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="assembly_name:Contig58"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="assembly_name:Contig55"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="assembly_name:Contig62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note="
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note="assembly_name:Contig15"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone="RP11-143D11"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location,
                                                                                                                           84.8%;
90.5%;
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23910:
27801:
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                                                                                                   0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gap of unknown length contig of 3891 bp in length
                                                                                                                           Score 17.8;
Pred. No. 4
                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               unknown length
of 5399 bp in length
unknown length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           unknown length
of 4372 bp in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of 13710 bp in length
                                                                                                                                    49;
                                                                                                                                                      DB 2;
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                                                                                                      Ŋ
                                                                                                                                                                                                                                                          1103 others
                                                                                                                                                 Length 171830;
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                                                                                                   Gaps
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ORGANISM
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VERSION
KEYWORDS
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HS125H2
LOCUS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURES
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                                                                                                         CDS
                                                                                                                                                                                                                                                                                                                                                           repeat_region
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases: Em:, EMBL; Sw:, SWISSPROT; TT:, TREMBL; Wp:, WORMPEP; Information on the WORMPEP database can be found at http://www.sanger.ac.uk/Projects/C_elegans/wormpep CTA-125H2 is from the human BAC library described in U-J. Kim et al. (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           http://www.sanger.ac.uk/HGP/Chr22
During sequence assembly data is compared from overlapping clones.
Where differences are found these are annotated as variations
together with a note of the overlapping clone name. Note that the
variation annotation may not be found in the sequence submission
corresponding to the overlapping clone, as we submit sequences with
only a small overlap as described above.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (08-DEC-1999) Sanger Centre, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk enquiries: humquery@sanger.ac.uk clone requests: clonerequest@sanger.ac.uk enquiries: humquery@sanger.ac.uk clone requests: clonerequest@sanger.ac.uk enquiries: clonerequest@sanger.ac.uk enquiries: human sequence has been finished according to sequence map criteria as follows. An attempt is made to resolve all sequencing problems, such as compressions and repeats, but not necessarily within known annotated human repeat sequence elements (e.g. Alu). Where the sequence is ambiguous, there is an annotation using the 'unsure'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HSIZSH2 DNA linear PRI 12-DEC-1999 Human DNA sequence from clone CTA-125H2 on chromosome 22q11-12 Contains part of the gene for a novel protein similar to KIAA0216 and myosin heavy chain, ESTs, GSSs and a CpG Island, complete
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This sequence was generated from part of bacterial clone contigs human chromosome 22, constructed by the Sanger Centre Chromosome Mapping Group. Further information can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This sequence is the entire insert of clone CTA-125H2 The start of this sequence overlaps with sequence ALO22329 The end of this sequence overlaps with sequence ALO00000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Genomics 34, 213
VECTOR: pBAC108L
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298949
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HTG; CpG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
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                                                                        /gene="bK125H2...
join(<563...710,
16737...16846.33
                                                                                                                                                                    /note="MIR repeat: matches 40...192 of consensus"
join(563...710,9002...9161,11367...11550,12697...12919,
16737...16846,33587...33652,39553...39681,41456...41599,
43226...43315,56023...56142,56571...56679,60423...60547,
63574...63728,67880...68003,68898...69098,73589...73699,
76213...76317,86524...86676,111403...11516,112978...113094,
115633...115716,117513...117689,120445...120630,
join(<563...710,9002...9161,11367...11550,12697...12919, 16737...16846,33587...33652,39553...39681,41456...41599,43226...43315,56023...56142,56571...56679,60423...60547,63574...63728,67880...68003,68898...69098,73599...73699,76213...76317,86524...86676,111403...111516,112978...113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          island; KIAA0216; myosin.
                                                                                                                                                                                                                                                                                                                                                              /clone_lib="CIT978SK-A1"
231. .371
                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
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/chromosome="22"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                            /clone="CTA-125H2"
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with

В

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  7200. ... L2 repeat: matches 2.
7200. ... 7239
/note="L2 rener"
7658
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/note="match: cDNAs: Em:D86970
match: ESTs: Em:Z18346 Em:AA504934 Em:R41006
match: ESTs: Er:060772 Tr:Q92614
match: proteins: Tr:060772 Tr:Q92614
match: genomic DNA: Em:H55072 Em:H55541 Em:H55303"
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DTCVLLENQGSRHELEKKKKDLQLAGALGESVFEKGLAEKVYGNTSYRWELGQL
QQULKQKEGGASGOLKQQYEMLQDHKRELLGSPSLCENCVACLKERLWKLESSALEQQK
1QSQQENTIKQLEQLFQLFELEIERKKOMHQKDREDGEELEDVRQSCQKRLHQLEMQ
LEGEYEEKQMYLHEKQDLEGLLGTLCDDIGHKDFDVEKRLKRDLEMFHALLSDVQLLL
GTWKDDGKTSVSKEELEKYHSQLEGGSAKCEEAKJTQKYLTADLESMHSELLEMYRNKS
LYDEQLYRLGFEKADLLKRIDEDQDDLNELMQKHKDLIAGSAADIGQIQELQLQLEEA
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GAGTEGSSALRTCEQPLQCEIFROLGWDPVKTDLTGWLHRAKPLLSALDAPQVLHQSK
REELRSLFQAAKLPPVCRAVAGLEGTSQQALGSRWVRTFFASSLAAVRRKAPCSQI
KLQMDALTSMIKRSRLHFIHCLVPNPVVESRSGQESPPPPQPGRDKPGAGGPLALDIP
                                                                                                                                                                            /note="ORSL repeat: matches 189. .274 of consensus"
5228. .5472
                                                                                                                                                                                                                                                                                                              4077.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note="18 copies 3 mer tya 72 conserved"
1946. .2233
/note="AluSq repeat: matches 1. .287 of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EFQKVQIKRFEVLVIRLRDSLIKMGEELSQAATSESQQRESSQYYQRRLEELKADMEE
LVQREAEASRRCMELEKYVEELAAVRQTLQTDLETSIRRIADLQAALEEVASSDSDTE
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EFKKLKIRRLAAQCIQKNVAVFLAVKDWPWWQLLGSLQPLLSATIGTEQLRAKEEELT
TLRRKLEKSEKLRNELRQNTDLLESKIADLTSDLADERFKGDVACQVLESERAERLQA
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157629. .>157759)
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                                                                                                                                                                                                                                                                                                       4073. .4252
/note="45 copies 4 mer tgtg 73 conserved"
4077. .4250
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                                                                                                                                                                                                                                                                                                                                                                                                                 'note="AluSq repeat: matches 24. .283 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                'note="
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                                                                                                                                                                                                                                                                                                                                                                      'note="MER7A repeat: matches 1.
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""L2 repeat: matches 2580.
.7961
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                                                                                                                                 L2 repeat: matches 2434.
5647
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              41 copies 2 mer at 76 conserved"
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                                                                                                            matches
                                                                                                                                                                                                                                    mer gtgt 75
                                                                                                                                                                                                                                                                               mer tg 73 conserved"
                                                               2561.
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/note="match: GSS: b...
13447. .13881
/gene="bK125H2.1"
/gene="match: GSS: E
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/note='MIR repeat: matches 20. .134
complement(13160. .13420)
complement(13160. .13420)
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/note="MIR repeat: matches 46.

12067. .12375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note="MIR repeat: matches 57. .245 of consensus" complement(9497. .9973) /note="match: GSS: Em:AQ200189" 9769. .9950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note="AluSq repeat: matches 1.
8081. 8163
/note="L2 repeat: matches 2619.
8230. .8419
                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="match: GSS: Em:AQ819687"
13535. .13778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13246. .13314
/note="L1PA7 repeat:
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15636, .15831
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/gene="bK125H2.1"
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12426. .12515
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14901. .15097
                                                                                                                                                                                                                                                                                                                                                                                                                 /note="L2 repeat: matches 2273.
14793. .14826
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13246. .13314
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13064. .13180
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                                                                                                                        /note="MIR repeat: matches 77. .192 of consensus"
                                                                                                                                                                                                                                note="L2 repeat: matches 2355.
[6918. .1702]
                                                                                                                                                                                                                                                                                                                                                       /note="MIR repeat: matches 4.
15155. .15308
                                                                                                                                                                                                                'note="AluJ/FLAM repeat: matches
                                                                                                                                                                                                                                                                             'note="AluJb repeat: matches 112. .297 of consensus"
                                                                                                                                                                                                                                                                                                          note="MIR repeat: matches 44. .262 of consensus"
                                                                          84.8%;
90.5%;
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BI040531 PM2-NT023	AW897949 RC3-NN006	BI055200 PM2-GN049	BF823349 PM2-RT005			×	BI055202 PM2-GN049		BF749861 CM3-BN038	AW904698 RC1-NN106	BI040729 PM2-NT023		BE766185 IL3-NT010	BE765800 IL3-NT010	AW897945 RC3-NN006	~	AA433884 zw31h11.r	AW868587 MR1-SN006	BI040535 PM2-NT023	BI040710 PM2-NT023	AW868593 MR1-SN006		QV2	BI040542 PM2-NT023	BF374244 MR1-SN006	6 QV2-NN	AA635704 nr33e02.s

ALIGNMENTS

FEATURES Source		TITLE JOURNAL COMMENT	REFERENCE AUTHORS	ACCESSION VERSION KEYWORDS SOURCE ORGANISM	H84500 LOCUS DEFINITION
Seq primer: Promega -21ml3 High quality sequence stop: 1. Location/Qualifiers 1121 /organism="Homo sapiens" /db_xref="dDB:3790692" /db_xref="ftaxon:9606" /clone="IMAGE:241559"	4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1810 Fax: 314 286 1810 Email: est@watson.wustl.edu High quality sequence starts: 1 High quality sequence starts: 1 Source: IMAGE Consortium, LLNL This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Trace considered overall poor quality	,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R. The WashU-Merck EST Project Unpublished (1995) Contact: Wilson RK Washington Hiltersky School of Medicane	<pre>Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 121) Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman</pre>	H84500 1 GI:1063171 EST. human Homo sapiens	H84500 121 bp mRNA linear EST 13-NOV-1995 yv02d12.sl Soares fetal liver spleen INFLS Homo sapiens cDNA clone IMAGE:241559 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);, mRNA sequence.

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REFERENCE
AUTHORS
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VERSION
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1 (Dases 1 to 121)

14ilier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.

The WashU-Merck EST Project
Unpublished (1995)
Contact: Wilson RK
Washington Instruct.
                                                                                                                                                                                                                                      Email: est@watson.wustl.edu
Insert Size: 1368
High quality sequence starts: 1
High quality sequence stops: 1
Source: IMAGE Consortium, LLNL
This clone is available royalth-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Insert Length: 1368 Std Error: 0.00
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                                                                                                                                                                                                                                                                                                                                                                                                           Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Fax: 314 286 1810
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/dev_stage="20 week-post conception fetus"
/lab_host="DH10B (ampicillin resistant)"
                                                                                        /organism="Homo sapiens"
/db_xref="GDB:3767119"
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/clone="IMAGE:198069"
/dev_stage="20 week-post conception fetus"
/lab_host="DH10B (ampicillin resistant)"
/note="Organ: Liver and Spleen; Vector: pT
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2.1e+02;
thes 0;
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21; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           T53781 135 bp mRNA linear EST 06-FEB-1995 yb83e02.sl Stratagene liver (#937224) Homo sapiens cDNA clone IMAGE:77786 3' similar to similar to gb:X14723 CLUSTERIN PRECURSOR
                                                                                                                                                                                                                                                                                                                                                                    High qality sequence starts: 1 High qality sequence stops: 1 Source: IMAGE Consortium, LLNL This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Trace considered overall poor quality Insert Length: 1905 Std Error: 0.00
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Washington University Scho
4444 Forest Park Parkway,
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: est@watson.wustl.edu
Insert Size: 1905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tel: 314 286 1800
Fax: 314 286 1810
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                                                                                                                                                                                               /organism="Homo sapiens"
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/db_xref="taxon:9606"
/clone="IMAGE:77786"
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/note="Organ: liver; Vector: pBluescript SK;
                                                                                                                                                        /sex="male"
                                                                                                                                 dev_stage="49 years old"
                                                                                                                                                                        /clone_lib="Stratagene liver (#937224)"
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pred. No. 2.1e+02;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Box 8501, St. Louis, MO 63108
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BE765434.1
EST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
Project. This entry can be seen in the following URL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Shotgun sequencing of the human transcriptome with ORF expressed sequence tags
                                                                                                                                                                                                                                                                                                                                                                                                                                                  (http://www.ludwig.org.br/scripts/gethtm12.pl?t1=st2=IL3-NT0104-200 500-144-G04st3=2000-05-20st4=1) Seq_primer: puc 18 forward
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tel: +55-11-2704922
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Simpson A.J.G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Simpson, A.J
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llarity 100.0%;
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                                                                                                                                                                                  /note="Organ: nervous_tumor; Vector: puc18; Site_1: SmaI; Site_2: SmaI; A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under
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2 C 48 g 32 t
                                                                                                                                                 tissue mRNA and cDNA amplification were performed low stringency conditions." 65 c 28 g 23 t
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/dev_stage="Adult"
                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
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                                   Score 21; DB 10;
Pred. No. 2.2e+02;
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4 NTO104 Homo sapiens cDNA, mRNA sequence.
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                                                                                                                                                                                      1 gctgggcggagttgggggcct 21
146 bp mRNA linear EST 22-JAN-1998 mX15f08.s1 NCI_CGAP_GC3 Homo sapiens cDNA clone IMAGE:1256199 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);, mRNA sequence. AA738045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL (http://www.ludwig.org.br/scripts/gethtml2.pl?tl=&t2=RC1-NN1062-260 400-011-a09st3=2000-04-26st4=1)
See primer: puc 18 forward
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Simpson, A.J. Shotgun sequencing of the human transcriptome with ORF expressed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Dias
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                                                                                                                                                                                                                                               21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F., Goldman,G.H., Carvalho,A.F., Matsukuma,A., Bala,G.S., Simpson,D.H., Brunstein,A., deOliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AW904670.1
EST.
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Ludwig Institute for Cancer Research
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      High quality sequence start: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: asimpson@ludwig.org.br
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Fax: +55-11-2707001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tel: +55-11-2704922
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rua Prof. Antonio Prudente 109,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: Simpson A.J.G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sequence tags
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                                                                                                                                                                                                                                                                                                                                                             /note="Organ: nervous_normal; Vector: puc18; Site_1: SmaI; Site_2: SmaI, A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /clone_lib="NN1062"
/dev_stage="Adult"
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/db_xref="taxon:9606"
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VERSION
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Best Local :
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1 (bases 1 to 151)
Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S.,
Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B.,
Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R.
                                                                                                                                                                                                                                                              AA434384
                                                                                                                                                                                                                                                                                                      zw31h11.s1 Soares ovary tumor NbHOT Homo sapiens cDNA clone
IMAGE:770949 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Trace considered overall poor quality
Insert Length: 867 Std Error: 0.00
Seg primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CDNA Library Preparation: M. Bento Soares, Ph.D. CDNA Library Arrayed by: Greg Lennon, Ph.D. DNA Sequencing by: Washington University Genome Sequencing Coone distribution: NCI-CGAP clone distribution information found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D.,
Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tumor Gene Index
Unpublished (1997)
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National Cancer Institute, Cancer Genome Ana
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                                                                                                                                                                                                                                                                                      sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone="IMAGE:1256199"
/clone_lib="NCI_CGAP_GC3"
                                                                                                                        ; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /tissue_type="pooled germ cell tumors"
/lab_host="DH10B"
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/db_xref="taxon:9606"
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Pred. No. 2.2e+02;
Pred. No. 2.2e+02;
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Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R.,
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PM2-GN0495-050201-001-g05 GN0495
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               Tel: +55-11-2704922
Fax: +55-11-2707001
                                                              Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 and
                                                                                                                Contact: Simpson A.J.G
                                                                                                                                                                 sequence tags
                                                                                                                                                                               Shotgun sequencing
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                                                                                                                                                                                                              Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F., Goldman,G.H., Carvelho,A.F., Matsukuma,A., Bala,G.S., Simpson,D.H., Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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Contact: Wilson RK
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asimpson@ludwig.org.br
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M.Fatima Bonaldo. "
27 c 56 g 36 t
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/db_xref="GDB:5980822"
/db_xref="taxon:9606"
/clone="IMAGE:770949"
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/lab_host="DH10B (ampicillin resistant)"
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                                                     Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=PM2&t2=PM2.NT0232-
120201-005-d02&t3=2001-02-12&t4=1)
Seq primer: puc 18 forward
High quality sequence start: 34
High quality sequence stop: 153.
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Dias Neto, E., García Correa, R., Verjovski-Almeida, S., Briones, M.R., Nagai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F., Goldman, G.H., Carvalho, A.F., Matsukuma, A., Baia, G.S., Simpson, D.H., Brunstein, A., deOliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare, M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and
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Seq primer: puc 18 forward
                                                                                                                                                                                                                                                                                                        Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BI040715 153 bp mRNA linear EST 14-JUN-200 PM2-NT0232-120201-005-d02 NT0232 Homo sapiens cDNA, mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                     Library was constructed by Dr. Hiroshi Inoue DNA sequencing by: Washington University Genome Sequencing Center For information on obtaining a clone please contact: Dr. Hiroshi Inoue (hinoue@im.wustl.edu)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Endocrine Pancreas Consortium
Harvard University, Howard Hughes Medical Institute
Dept of Molecular and Cellular Biology, 7 Divinity Ave, Cambridge,
MA 02138
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Other_ESTs: ic19a12.y3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Douglas Melton, Klaus H. Kaestner, & Hiroshi Inoue
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nmalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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617-495-8557
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/note="Organ: Pancreas; Vector: pBluescript SK(-); Site_1: NotI; Site_2: XhOI; cDNA made by olio-dT priming.
Size-selected on agarose gel. Average insert size -1kb. 5'
XhOI site was destroyed after directional cloning.
Amplified once. Contact information: Hiroshi Inoue, MD,
Metabolism Div. (Alan Permutt Lab), Washington University
School of Medicine, Box 8127, 660 South Euclid Ave., St.
Louis, MO 63110, E-mail: hinoue@imgate.wustl.edu, Tel:
314-362-1916, Fax: 314-747-2692."
                                                                                                                                                                                                                         /tissue_type="Purified pancreatic islet"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                        /clone_lib="HR85 islet"
                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/db_xref="taxon:9606"
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/clone_lib="NT0232"
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gctgggcggagttgggggcct 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    l (bases 1 to 159)
Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R., Nagai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F., Goldman, G. H., Carvalho, A.F., Matsukuma, A., Baia, G.S., Simpson, D.H., Brunstein, A., deOliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare, M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BI040516.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=pM2&t2=PM2-NT0232-
070201-004-c03&t3=2001-02-07&t4=1)
Seq primer: puc 18 forward
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Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tel: +55-11-2704922
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                                                                                                                                                                                                                                                                                                 /note-*Organ: nervous_tumor; Vector: puc18; Site_1: Sma1; Site_2: Sma1, A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 195,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions. To the public stringency conditions to the public stringenc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                                                                                                                     A1523434 169 bp mRNA linear EST 18-MAR-1999 ar72h08.xl Barstead aorta HPLRB6 Homo sapiens cDNA clone IMAGE:2128191 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);
                                                                                         AI691105
AI6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Seg primer: -40UP from Gibco.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis,
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unpublished (1997)
Contact: Wilson RK
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1 (bases 1 to 169)

Hillier, L., Allen, M., Bowles, L., Dubuque, T., Geisel, G., Jost, S.,
Hillier, L., Allen, M., Bowles, L., Dubuque, T., Geisel, G., Jost, S.,
Krizman, D., Kucaba, T., Lacy, M., Le, N., Lennon, G., Marra, M., Martin
J., Moore, B., Schellenberg, K., Steptoe, M., Tan, F., Thelsing, B.,
White, Y., Wylie, T., Waterston, R. and Wilson, R.
Washl-NCI human, EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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/sex="male"
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/db_xref="taxon:9606"
/clone="IMAGE:2128191"
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Pred. No. 2.2e+02;
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                                                                                                                                                                                                                                                             AUTHORS
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Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R., Nagai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F., Goldman, G.H., Carvalho, A.F., Matsukuma, A., Baia, G.S., Simpson, D.H., Brunstein, A., deOliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare, M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and
             Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 869 Std Error: 0.00
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Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
                                                                       Contact: Simpson A.J.G.
                                                                                                                       Shotgun sequencing of the human transcriptome with ORF expressed sequence tags
                                                                                                                                                               Simpson, A.J.
                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                   Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                             BF897129 171 bp mRNA linear ILO-MT0215-281100-501-all MT0215 Homo sapiens cDNA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: cgapbs-r@mail.nih.gov
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 169)
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11542-016"
27 c 49 g 60 t
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Site_2: NotI; Cloned unidirectionally. Primer: Oi
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pooled tumors"
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/clone_lib="NCI_CGAP_Ut4"
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/db_xref="taxon:9606"
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Location/Qualifiers
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Pred. No. 2.2e+02;
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                                                                Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?t1=ILOst2=ILO-NTO171-
301000-501-allst3=2000-10-30st4=1)
Seq primer: puc 18 forward
High quality sequence stop: 171.
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Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar,
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This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
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Location/Qualifiers
                                                                                                                                                                                                                                                       Tel: +55-11-2704922
Fax: +55-11-2707001
                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: Simpson A.J.G
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281100-501-a11&t3=2000-11-28&t4=1)
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/organism="Homo sapiens"
                                            Location/Qualifiers
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/dev_stage="Adult"
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BASE COUNT
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Search completed: May 17, 2002, 15:25:40 Job time: 14517 sec
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/clone_lib="NY0171"
/dev_stage="Adult"
/note="Organ: nervous_tumor; Vector: puc18; Site_1: SmaI;
/note="Organ: nervous_tumor; Vector: puc18; Site_1: SmaI;
/note="Organ: nervous_tumor; Vector: puc18; Site_1: SmaI;
/note="Organ: nervous_tumor; Vector: Patent application
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| Cgn2_6/ptodata/1/pna/PCT_NEW_COMB.seq:*
| Cgn2_6/ptodata/1/pna/US06_NEW_COMB.seq:*
| Cgn2_6/ptodata/1/pna/US07_NEW_COMB.seq:*
| Cgn2_6/ptodata/1/pna/US08_NEW_COMB.seq:*
| Cgn2_6/ptodata/1/pna/US08_NEW_COMB.seq:*
| Cgn2_6/ptodata/1/pna/US08_NEW_COMB.seq:*
| Cgn2_6/ptodata/1/pna/US08_NEW_COMB.seq:*
| Cgn2_6/ptodata/1/pna/US08_NEW_COMB.seq:*
                 424068 seqs, 234053524 residues
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Copyright (c) 1993 - 2000 Comp
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PCT-US02-01109-10
PCT-US02-09239-10
PCT-US02-09135-10
PCT-US02-09188-10
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PCT-US02-09257-10
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US-09-053-375B-227/c
Sequence 227, Application US/09053375B
GENERAL INFORMATION:
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APPLICANT:
APPLICANT: Xue, Aidong J.
APPLICANT: Ma, Yunqing
APPLICANT: Wang, Dunrui
APPLICANT: Weng, Gezhi
TITLE OF INVENTION: Novel Nucleic
TITLE OF INVENTION: Polypeptides
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	Sequence 841, App	Sequence 5, Appli	Sequence 5, Appli	Sequence 5, Appli	Sequence 5, Appli	Seguence 5, Appli	Sequence 10, Appl	Sequence 10, Appl	Sequence 30, Appl										

ALIGNMENTS

APPLICANT: Chenchik, Alex APPLICANT: Bibliashvilli, Robert TITLE OF INVENITION: Nucleic Acid Arrays FILE REFERENCE: CLON-006 CURRENT APPLICATION NUMBER: US/09/053,375B CURRENT FILING DATE: 1998-08-31 NUMBER OF SEQ ID NOS: 1543 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 227 SEQ ID NO 227 SEQ ID NO 227 LENGTH: 1416 TYPE: DNA ORGANISM: Homo sapiens US-09-053-375B-227 Sequence 115, Application US/60365384 GENERAL INFORMATION: APPLICANT: Tang, Y. Tom 1309 GCTGGGCGGAGTTGGGGGCCT 1289 Local Similarity nes 21; Conserv 1 gctgggcggagttgggggcct 21 Wang, Jian-Rui Ghosh, Malabika Zhao, Qing A. Asundi, Vinod Ren, Feiyan Xue, Aidong J. Ma, Yunging Zhang, Jie Zhou, Ping Wehrman, Tom Wang, Jian-rui Wang, Zhiwei Conservative 100.0%; Score 21; 100.0%; Pred. No. 0; Mismatches 3.1; DB 5 0; Length 1416; Indels 0;

Gaps

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US-10-125-086-9/c
; Sequence 9, Application US/10125086
; GENERAL INFORMATION:
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; LOCATION: (132)..(1316)
US-60-365-384-115
                                                                                                                                                          RESULT
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; - ORGANISM: Homo sapiens
US-10-116-255-17
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CURRENT FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: 09/685,897
PRIOR FILING DATE: 2000-10-11
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/128,701
PRIOR APPLICATION NUMBER: 60/128,701
PRIOR FILING DATE: 1999-04-09
PRIOR FILING DATE: 1999-04-09
PRIOR APPLICATION NUMBER: 60/142,821
PRIOR APPLICATION NUMBER: 60/142,821
PRIOR APPLICATION NUMBER: 60/149,448
PRIOR APPLICATION NUMBER: 60/149,448
PRIOR APPLICATION NUMBER: 60/149,448
PRIOR FILING DATE: 1999-08-18
PRIOR FILING DATE: 1999-08-18
                                                                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 21
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PRIOR FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 66
SOCTWARE: PATENTIN VET. 2.0
SEQ ID NO 17
LENGTH: 2876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17, Application US/10116255 GENERAL INFORMATION:
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CURRENT FILLNG DATE: 2002-03-14
NUMBER OF SEQ ID NOS: 666
SOFTWARE: Pt_genes Version 6.0
SEQ ID NO 115
LENGTH: 1839
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Best Local Similarity
Conserv
                              APPLICANT: MONTELARO, Ronald APPLICANT: CRAIGO, Jodi K. APPLICANT: ISSEL, Charles
APPLICANT:
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TITLE OF INVENTION: Uncoupling Protein Polynucleotides, Polypeptides,
TITLE OF INVENTION: Antibodies
FILE REFERENCE: PT009P1
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PUFFER, Bridget
HENNESSY, Kristina J.
                                                                                                                                                                                                                                                                                                100.0%; Score 21; ilarity 100.0%; Pred. No. Conservative 0; Mismatcl
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; SEQ ID NO 9
; LENGTH: 226
; TYPE: DNA
; ORGANISM: IN VITROGEN
US-10-125-086-9
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; Sequence 10, Application PC/TUS0206990
; GENERAL INFORMATION:
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; NAME/KEY: Protein_Bind
OTHER INFORMATION: Synthetic promoter for use in biological assays; includes NF-K; OTHER INFORMATION: binding sites.

PCT-US02-01109-10
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Sequence 10, Application PC/TUS0201109
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: 50 Human Secreted Proteins
FILE REFERENCE: PZ016PCT2
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SEQ ID NO 10
LENGTH: 256
TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 17; Conserv
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Best Local Similarity 94.4%;
Matches 17; Conservative
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 256
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TITLE OF INVENTION: EIAV P26 DELETION VACCINE AND DIAGNOSTIC FILE REPERENCE: MONTELARO ET AL.

CURRENT APPLICATION NUMBER: US/10/125,086

CURRENT FILING DATE: 2002-04-18

PRIOR APPLICATION NUMBER: US/09/659,026A

PRIOR APPLICATION STATE 2001-06-11

NUMBER OF SEQ ID NOS: 11
                                                                                 CURRENT APPLICATION NUMBER: PCT/US02/06990 CURRENT FILING DATE: 2002-03-08 PRIOR APPLICATION NUMBER: 60/274,214 PRIOR FILING DATE: 2001-03-09
                                                                                                                                                                       APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Nucleic Acids, Proteins
FILE REFERENCE: PF534PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US 60/262,066
PRIOR FILING DATE: 2001-01-18
NUMBER OF SEQ ID NOS: 206
SOFTWARE: Patentin Ver: 2.0
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                                                                 NUMBER OF SEQ ID NOS: 33
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94.4%;
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Pred. No. 2
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PRIOR FILING DATE: 2001-03-27
PRIOR PELICATION NUMBER: US 09/950,082
PRIOR FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US 09/950,083
PRIOR FILING DATE: 2001-09-12
NUMBER OF SEQ ID NOS: 380
SOFTWARE: Patentin Ver. 2.0
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GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
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Best Local Similarity
Matches 17; Conser
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Best Local :
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                                                                                               CURRENT APPLICATION NUMBER: PCT/US02/09135
CURRENT FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/278,650
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 09/950,082
PRIOR FILING DATE: 2001-09-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Human Secreted Proteins FILE REFERENCE: PS953PCT CURRENT APPLICATION NUMBER: PCT/US02/09239 CURRENT FILING DATE: 2002-03-26
                                    PRIOR APPLICATION NUMBER: US 09/950,083
PRIOR FILING DATE: 2001-09-12
NUMBER OF SEQ ID NOS: 491
                                                                                                                                                                                                                       APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Human Secreted Proteins
FILE REFERENCE: PS956PCT
SOFTWARE: PatentIn Ver.
EQ ID NO 10
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nes 17; Conservative
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94.4%;
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94.4%;
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Pred. No. 2
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Pred. No. 2.4e+02
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.4e+02;
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CURRENT FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/278,650
PRIOR ETILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 09/950,082
PRIOR FILING DATE: 2001-09-12
PRIOR FILING DATE: 2001-09-12
PRIOR FILING DATE: 2001-09-12
NUMBER OF SEQ ID NOS: 779
SOFTWARE: PATENTIN VET. 2.0
SEQ ID NO 10
LENGTH: 256
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: Sequence 10, Application PC/TUS0209188

: GENERAL INFORMATION:
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Best Local S
Matches 17
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Best Local Similarity 94.4
                                                 PRIOR APPLICATION NUMBER: US 60/278,650 PRIOR FILING DATE: 2001-03-27 PRIOR FILING DATE: 2001-03-12 PRIOR FILING DATE: 2001-09-12
                                                                                                                           CURRENT APPLICATION NUMBER: PCT/US02/09188
CURRENT FILING DATE: 2002-03-26
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TITLE OF INVENTION: Human Secreted Proteins
FILE REFERENCE: PS951PCT
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                                                                                                                                                                                   APPLICANT: Human Genome Sciences, Inc. TITLE OF INVENTION: Human Secreted Proteins
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               PRIOR APPLICATION NUMBER: US 09/950,083 PRIOR FILING DATE: 2001-09-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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SEQ ID NOS: 1732
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94.4%;
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94.4%;
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Pred. No. 2.4e
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Pred. No. 2.
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1.4e+02;
les 1;
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SOFTWARE: PatentIn Ver.

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Sequence 10, Application PC/TUS0209257

GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Human Secreted Proteins
FILE REFERENCE: PS957PCT
CURRENT APPLICATION NUMBER: PCT/US02/09257

CURRENT FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/278,650
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 09/950,082
PRIOR FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US 09/950,083
PRIOR FILING DATE: 2001-09-12
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Sequence 10, Application PC/TUS0209370
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
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PCT-US02-09257-10
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Best Local Similarity
Matches 17; Conserv
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Best Local Similarity
Matches 17; Conserv
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
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LENGTH: 256
                                        TITLE OF INVENTION: Human Secreted Proteins FILE REFERENCE: PS954PCT CURRENT APPLICATION NUMBER: PCT/US02/09370 CURRENT FILING DATE: 2002-03-26 PRIOR APPLICATION NUMBER: US 60/278,650 PRIOR FILING DATE: 2001-03-27 PRIOR PILING DATE: 2001-03-27 PRIOR FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US 09/950,083 PRIOR FILING DATE: 2001-09-12
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TYPE: DNA
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94.4%;
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Pred. No. 2.4e+02;
0; Mismatches 1;
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PEATURE: NAME/KEY: Protein_Bind OTHER INFORMATION: Synthetic promoter for use in biological assays; includes NF-K OTHER INFORMATION: binding sites.

PCT-US02-09370-10
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CURRENT APPLICATION NUMBER: PCT/US02/09922
CURRENT FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/278,650
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 09/950,082
PRIOR FILING DATE: 2001-09-12
PRIOR FILING DATE: 2001-09-12
PRIOR FILING DATE: 2001-09-12
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PCT-US02-09922-10/c
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  \text{PCT-US02-09785-10} 
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PRIOR FILING DATE: 2001-11-13
PRIOR PPLICATION NUMBER: US 60/306,171
PRIOR FILING DATE: 2001-07-19
PRIOR FILING DATE: 2001-03-21
PRIOR FILING DATE: 2001-03-21
NUMBER OF SEQ ID NOS: 1130
SOFTWARE: Patentin Ver. 2.0
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                                                                                                                                                       Sequence 10, Application PC/TUS0209922
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Human Secreted Proteins
FILE REFERENCE: PS955PCT
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LENGTH: 256
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Best Local Similarity 94.4
Matches 17; Conservative
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Best Local Similarity
Matches 17; Conserv
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TYPE: DNA
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TYPE: DNA
ORGANISM: Artificial Sequence
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NAME/KEY: Protein_Bind
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Pred. No. 2.4e+02;
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RESULT 15

US-10-103-313-10/c

US-10-103-313-10/c

Sequence 10, Application US/10103313

GENERAL INFORMATION:

APPLICANT: ROSEN et al.

FILE REFERENCE: PUZOTC1

CURRENT APPLICATION NUMBER: US/10/103,313

CURRENT APPLICATION NUMBER: US/10/103,313

CURRENT FILING DATE: 2002-03-12

NUMBER OF SEQ ID NOS: 653

Prior Application removed - See File Wrapper or Palm

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 10

LENGTH: 256

TYPE: DNA

ORGANISM: Artificial Sequence
FEATURE:

OTHER INFORMATION: Synthetic promoter for use in biological assays; includes NF-KB

OTHER INFORMATION: binding sites.
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SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 10
LENGTH: 256
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: Protein_Bind
OTHER INFORMATION: Synthetic promoter for use in biological assays; includes NF-KB
OTHER INFORMATION: binding sites.
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Search completed: May 17, 2002, 17:58:46 Job time: 9180 sec
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Best Local Similarity 94.4%;
Matches 17; Conservative
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Pred. No. 2.4e+02;
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66: /cgn2_6/ptodata/2/pna/US6020_COMB.seq: *
67: /cgn2_6/ptodata/2/pna/US6020_COMB.seq: *
68: /cgn2_6/ptodata/2/pna/US6020_COMB.seq: *
69: /cgn2_6/ptodata/2/pna/US6020_COMB.seq: *
70: /cgn2_6/ptodata/2/pna/US6020_COMB.seq: *
71: /cgn2_6/ptodata/2/pna/US6020_COMB.seq: *
72: /cgn2_6/ptodata/2/pna/US6020_COMB.seq: *
73: /cgn2_6/ptodata/2/pna/US6020_COMB.seq: *
74: /cgn2_6/ptodata/2/pna/US6030_COMB.seq: *
74: /cgn2_6/ptodata/2/pna/US6030_COMB.seq: *
74: /cgn2_6/ptodata/2/pna/US6030_COMB.seq: *
75: /cgn2_6/ptodata/2/pna/US6030_COMB.seq: *
76: /cgn2_6/ptodata/2/pna/US6030_COMB.seq: *
77: /cgn2_6/ptodata/2/pna/US6030_COMB.seq: *
76: /cgn2_6/ptodata/2/pna/US6030_COMB.seq: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.

Query Score Match Length DB

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Description

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9-9	:-09-904	-09-3	-09-2	3-09-3	3-09-5	3-09-5	1-09-53	09-5	09-5	09-5	09-5	09-5	US-09-534-840-942	8-29	US-09-534-840-9750	9-60	09-5	-09-5	-09-534	:-09-5	1-09-5	09-5	5-09-534	09-5	-60-033	3-09-534	-10-080	9-60	s-09-913-	US00
1-925-5	04-7	1-346-9	48-7	-359-(4	4	34-8	34-8	34-8	34-8	34-8	34-8	34-8	293-34	34-8	52-	34-8	-534-8			-534-8	34-8	34-8	34-8	33-4				13-	-048
-564-297	703-	956-	197-)67-	840-1	340-	340-	340-	340-	340-	340-	340-	340-	347-1940	340-	125A	340-	340-	340-	340-	340-	340-	340-	340-	401-	840-		326-		
2970	1958	6-956-1958	-2970	-067-2062	10808	-840-10386	1031	-840-10846	1034	840-9732	-840-1041	1032	9423	940	9750	-330	1035	840-1036	840-1081	840-10419	1038	4-840-10433	-840-10431	1041	581	9475	12	12	5-12	12
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Sequence 12, Application US/09913325
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Collean
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-WO
CURRENT APPLICATION NUMBER: US/09/913,325
CURRENT FILING DATE: 2001-10-29
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 12
LENGTH: 21
TYPE: DNA
ORGANISM: HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: ANTISENSE THERAPY FOR CANCER
FILE REFERENCE: UBC., P.020-WO
CURRENT APPLICATION NUMBER: PCT/US00/04875
CURRENT FILING DATE: 2000-02-25
EARLIER APPLICATION NUMBER: 60/121,726
EARLIER FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 12
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                 RESULT 2
US-09-913-325-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: antisense TRPM-2 ODN PCT-US00-04875-12
                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
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US-09-652-125A-667

US-09-248-797-2583

US-09-925-564-2583

US-09-925-564-8373

US-09-515-694-8373

US-09-515-694-8373

US-09-821-710-1224

US-09-834-366-48205

US-60-172-873-48205

US-60-172-873-19074

US-09-289-768-5610

US-09-289-768-5610

US-09-289-768-5610

US-09-289-768-5610

US-09-289-768-5610

US-09-289-768-5610

US-09-39-397-5333

US-09-346-956-1857
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Pred. No. 1.2e+02;
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2583, Ap
2583, Ap
8373, Ap
8373, Ap
1224, Ap
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1825, A
18005, A
19074, A
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US-09-944-326-12

US-09-944-326-12

US-09-944-326

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Miyake, Hideaki

APPLICANT: Nelson, Colleen

TITLE OF INVENTION: TRRM-2 ANTISENSE THERAPY

FILE REFERENCE: UBC.P-020-2

CURRENT APPLICATION NUMBER: US/09/944,326

CURRENT APPLICATION NUMBER: 60/121,726

PRIOR APPLICATION NUMBER: 60/121,726

PRIOR APPLICATION NUMBER: 09/913,325

PRIOR APPLICATION NUMBER: 09/913,325

PRIOR FILING DATE: 1099-02-26

PRIOR FILING DATE: 2001-08-10

NUMBER OF SEQ ID NOS: 14

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 12

LENGTH: 21

TYPE: DNA
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Monia, Brett P.
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY)ETHYL MODIFICATIONS
FILE REFERENCE: UBC.P-020-3
CCURRENT FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1909-02-26
PRIOR FILING DATE: 1909-02-36
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR APPLICATION NUMBER: 09/944,326
PRIOR APPLICATION NUMBER: 09/944,326
PRIOR APPLICATION NUMBER: 09/944,326
PRIOR PRIOR DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARR: Patentin Ver. 2.1
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; OTHER INFORMATION: antisense TRPM-2
US-09-913-325-12
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; OTHER INFORMATION: antisense TRPM-2
US-09-944-326-12
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Matches 21
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Best Local Similarity 100.
Matches 21; Conservative
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Pred. No. 1.2e+02;
; Mismatches 0;
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Pred. No. 1.2e+02;
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; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
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; LICATION: 64, 73, 121, 140, 152, 160, 1
; OTHER INFORMATION: a, t, c, g, or other
US-09-534-840-9475
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SEQ ID NO 9475
LENGTH: 166
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 21; Conservative 0
                                                                                                                                                                                                                                                 Sequence 581, Application US/60033401 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity Matches 21; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuye, Laura L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Prior application data removed - consult PALM or file wrapper NUMBER OF SEQ ID NOS: 13675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/534,840 CURRENT FILING DATE: 1992-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Mullahy, Sara J.

APPLICANT: Naughton, Rebecca E.

TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOLEC
FILE REFERENCE: PD-1010 CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 21
TYPE: DNA
                                     APPLICANT: AKERDIOM, Ingrid E.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Naughton, Rebecca E.
APPLICANT: Klingler, Tod M.
TITLE OF INVENTION: POLYNUCLEOTII
TITLE OF INVENTION: NEUROGANGLION
NUMBER OF SEQUENCES: 3552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No: hu00589179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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    ADDRESSEE:
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Stuart, Susan G.
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                                                                                                                                                                           Ito, Laura Y.
                                                                                                                                                                                                                                   Gooding, Douglas H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
INCYTE PHARMACEUTICALS, INC
                        ADDRESS:
                                       POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM NEUROGANGLION TUMOR 3552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 21; DB 20; 100.0%; Pred. No. 1.2e+02;
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; NAME/KEY: unsure
; LOCATION: 2-3
; OTHER INFORMATION: a,
US-09-534-840-10418
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US-60-033-401-581
                                                                                                                                      Prior application data removed
NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 10418
LENGTH: 180
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 10418, Application US/09534840 GENERAL INFORMATION:
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Best Local Similarity
Matches 21; Conserv
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APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/534,840 CURRENT FILING DATE: 1992-07-17
                                                                                                                                                                                                                                                                                 APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYMUCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOFILE REFERENCE: PD-1010 CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (415) 845-410
INFORMATION FOR SEQ ID NO:
                                                                NAME/KEY: misc_feature OTHER INFORMATION: Incyte ID No: hu01316725
                                                                                                                     ORGANISM: Homo sapiens
                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: CERRONE, MICHAEL C
REGISTRATION NUMBER: 39,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 3174 PORTER DRIVE CITY: PALO ALTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27 GCTGGGCGGAGTTGGGGGCCT 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
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pred. No. 1.2e+02;
; Mismatches 0;
                  or
                                                                                                                                                                                                                              consult PALM or file wrapper
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 166;
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Query Match

100.0%;

Score 21;

DB 20;

Length 180;

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FEATURE:

NAME/KEY: misc_feature

OTHER INFORMATION: Incyte ID No: hu01005556

US-09-534-840-10431
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Best Local S
Matches 21
                                                                                                                                                                                                                                                                                                       APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLEOTIESS ENCODING OR REGULATING PROTEIN MODIFICATION MOLEC
FILE REFERENCE: PD-1010 CIP
CURRENT APPLICATION NUMBER: US/09/534,840
CURRENT FILING DATE: 1992-07-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 13675
SOFTMARE: PERL Program
SEQ ID NO 10433
LENGTH: 236
TYPE: DNA
CONTRACTOR OF SERVICE OF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 10431
LENGTH: 228
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APPLICANT:
Query Match
Best Local
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APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
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APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNICCLEOTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOLEC
FILE REFERENCE: PD-1010 CIP
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                                                                                                                                                                          OTHER INFORMATION: Incyte ID No: hu01233159
                                                                                                                                                                                                REATURE:
NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
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Local Similarity
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Pred. No.
   Score 21;
Pred. No.
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thes 0;
   DB 20;
1.2e+02;
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1.2e+02;
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; OTHER INFORMATION: Incyte ID No: hu01273608
US-09-534-840-10383
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                                                                                               ; NAME/KEY: misc_feature; OTHER INFORMATION: Incyte ID No: hu01048852 US-09-534-840-10419
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                                                                                                                                                                                                          Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 10419
LENGTH: 240
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SEQ ID NO 10383
LENGTH: 240
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Query Match 100.0%; Score 21; DB 20; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0;
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Best Local Similarity
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TITLE OF INVENTION: POLYNUCLECTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MO
FILE REFERENCE: PD-1010 CIP
CURRENT APPLICATION NUMBER: US/09/534,840
CURRENT FILING DATE: 1992-07-17
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                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
APPLICANT: Naughton, POLYMUCLEOTIDES ENCODING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuye, Laura L.
                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/534,840 CURRENT FILING DATE: 1992-07-17
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                                                                                                                                                                        ORGANISM: Homo sapiens
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                                                                                                                                                       FEATURE:
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Pred. No. 1.2e+02;
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                                                                                                                                                                                                                                                                                                                                                                    OR REGULATING PROTEIN MODIFICATION
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                                      Length 240;
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; FEATURE:
; NAME/KBY: misc_feature
; OTHER INFORMATION: Incyte ID No: hu01273243
US-09-534-840-10817
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; Sequence 10817, Application US/09534840
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prior application data removed - consult PALM
NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 10817
LENGTH: 244
                                                                                                                                                                                                      Prior application data removed - consult PALM or
NUMBER OF SEQ ID NOS: 13875
SOFTWARE: PERL Program
SEQ ID NO 10368
LENGTH: 254
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Query Match
Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 10368, Application US/09534840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/534,840 CURRENT FILING DATE: 1992-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuye, Laura L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYNUCLECTIDES ENCODING OR REGULATING PROTEIN MODIFICATION MOLECETILE REFERENCE: PD-1010 CIP
                                                                                              OTHER INFORMATION: Incyte ID No: -09-534-840-10368
                                                                                                                                                                                                                                                                                                                                  APPLICANT: Mullahy, Sara J.
APPLICANT: Naughton, Rebecca E.
TITLE OF INVENTION: POLYMUCLEOTIDES ENCODING
FILE REFERENCE: PD-1010 CIP
                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/534,840 CURRENT FILING DATE: 1992-07-17
                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuye, Laura L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Homo sapiens
                                                                                                                               FEATURE:
NAME/KEY: misc_feature
                                                                                                                                                                 ORGANISM: Homo sapiens
                                                                                                                                                                                       TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                134 GCTGGGCGGAGTTGGGGGCCT 114
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                     100.0%;
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 Score 21; DB 20; I
Pred. No. 1.2e+02;
Pred. No. 1.2e+02;
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Pred. No. 1
                                                                                                                  hu01255852
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                                     Length 254;
       Indels
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     Gaps
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US-09-652-125A-330/c
; Sequence 330, Application US/
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; APPLICANT: Distefano, Peter Service Control of the Control of 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 14
US-09-534-840-10355/c
US-09-534-840-10355, Application US/09534840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; NAME/KEY: unsure
; LOCATION: 26, 82, 92
; OTHER INFORMATION: a, t,
US-09-534-840-10355
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                                                                                                                                                        NAME/KEY: misc_feature; LOCATION: (1)...(261); OTHER INFORMATION: n = A,T,CUS-09-652-125A-330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 15
                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/652,125A
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 60/151,127
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 9506
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 330
LENGTH: 261
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NUMBER OF SEQ ID NOS: 13675
SOFTWARE: PERL Program
SEQ ID NO 10355
LENGTH: 260
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Best Local
Query Match
Best Local Similarity
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TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING
FILE REFERENCE: PD-1010 CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Stuart, Susan G.
APPLICANT: Stuve, Laura L.
APPLICANT: Mullahy, Sara J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: DIStefano, Peter
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1189-001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/534,840 CURRENT FILING DATE: 1992-07-17
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                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Homo sapiens
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OTHER INFORMATION: Incyte
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                                                                                                                                                                                                                                                                                                                         FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Stuart, Susan G.
Stuve, Laura L.
Mullahy, Sara J.
Naughton, Rebecce
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100.0%; Score 21; DB 25; 100.0%; Pred. No. 1.2e+02;
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                                          Length 261;
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Matches

Conservative

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Mismatches

Indels

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Gaps

Db Qy Search completed: May 17, 2002, 17:56:01 Job time: 12668 sec

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                    Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Database
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence:
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      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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     seq
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1: /cgn2_6/ptodata/2,
2: //gn2_6/ptodata/2,
3: /cgn2_6/ptodata/2,
4: /cgn2_6/ptodata/2,
5: //gn2_6/ptodata/2,
6: /cgn2_6/ptodata/2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          length: 0
length: 2000000000
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21
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Copyright (c) 1993 - 2000 Compugen Ltd
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                                                                                                                                                                                                                                                                                                                                                                                                                                            /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/pcTUS_COMB.seq:*
/cgn2_6/ptodata/2/ina/backfiles1.seq:*
                                                                                                                                                                                                                                                                                                                                         Length
     DВ
      US-09-360-197-1
US-09-360-197-7
US-09-360-197-7
US-08-171-389-590
US-08-182-98A-590
US-08-475-228A-590
US-08-182-24
US-09-106-182-24
US-09-106-182-1
US-09-106-182-1
US-09-277-357-1
US-08-945-726-1
US-08-945-726-23
US-09-106-182-1
US-08-644-664B-6
US-09-108-108-25
US-09-108-108-25
US-08-455-755-1
US-08-451-0878-1
US-08-451-184-4
US-08-451-184-4
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Sequence 1, Appli Sequence 590, App Sequence 66, Appli Sequence 66, Appli Sequence 10, Appli Sequence 1, Appli Sequence 6, Appli Sequence 1, Appli Sequence 4, Appli
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                                                                                                           RESULT 2
US-09-360-197-7/c
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16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
4732	4696	4665	4665	4454	4454	4059	4059	4059	4059	4059	3944	3705	3390	3390	2800	2037	2037
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US-07-884-811-1	US-08-929-967-15	US-09-169-425C-7	US-08-948-378A-7	PCT-US92-04227-1	US-07-712-284-1	PCT-US96-05611A-11	PCT-US95-07554-4	US-08-487-283A-3	US-09-276-197-4	US-08-252-493C-4	US-07-678-408A-1	US-09-282-996-3	US-08-993-424B-5	US-08-993-088A-5	US-08-889-841B-42	US-08-464-589-4	US-08-757-300-4
Sequence 1, Appli	Sequence 15, Appl	Sequence 7, Appli	Sequence 7, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 11, Appl	Sequence 4, Appli	Sequence 3, Appli	Sequence 4, Appli	Sequence 4, Appli	Sequence 1, Appli	Sequence 3, Appli	Sequence 5, Appli	Sequence 5, Appli	Sequence 42, Appl	Sequence 4, Appli	Sequence 4, Appli

ALIGNMENTS

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; Sequence 7, Application US/09360197
patent No. 6287859
GENERAL INFORMATION:
APPLICANT: Bassilana, Frederic
APPLICANT: Lazdunski, Michel
APPLICANT: Maldmann, Rainer
APPLICANT: Deweille, Jan R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             : NAME/KEY: CDS
; LOCATION: (123)..(1700)
US-09-360-197-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Ver. SEQ ID NO 1
LENGTH: 3562
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                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 90.0
Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Lazdunski, Michel
APPLICANT: Waldmann, Rainer
APPLICANT: Waldmann, Rainer
APPLICANT: Deweille, Jan R.
TITLE OF INVENTION: Human and Rat Families of Neuronal Acid-Sensitive
TITLE OF INVENTION: Cationic Channels, Their Cloning and Applications
FILE REFERENCE: 989.6706P
CURRENT APPLICATION NUMBER: US/09/360,197
CURRENT FILING DATE: 1997-07-23
APPLICANT: Bassilana, Frederic APPLICANT: Lazdunski, Michel APPLICANT: Waldmann, Rainer APPLICANT: Dewellle, Jan R. TITLE OF INVENTION: Human and ITITLE OF INVENTION: Cationic Ch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 09/129,758
PRIOR FILING DATE: 1998-08-05
PRIOR APPLICATION NUMBER: 60/095,408
PRIOR FILING DATE: 1998-08-05
NUMBER OF SEQ ID NOS: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Bassilana,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: rattus sp.
                                                                                                                                                                                                                                                                                           1778 GCTGGGGGCCAGTTGGGGGCC 1759
                                                                                                                                                                                                                                                                                                                 1 gctgggcggagttgggggcc
Human and Rat Families of Neuronal Acid-Sensitive Cationic Channels, Their Cloning and Applications
                                                                                                                                                                                                                                                                                                                                                                                                  80.0%;
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Pred. No. 65;
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; NAME/KEY: CDS
; LOCATION: (109)..(1785)
US-09-360-197-7
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US-08-171-389-590/c
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CURRENT APPLICATION NUMBER: US/09/360,197
CURRENT FILING DATE: 1997-07-23
PRIOR APPLICATION NUMBER: 09/129,758
PRIOR APPLICATION NUMBER: 09/129,758
PRIOR FILING DATE: 1998-08-05
PRIOR FILING DATE: 1998-08-05
NUMBER OF SEQ ID NOS: 22
SOFTMARS: 08/05-75
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SOFTWARE: Pater
SEQ ID NO 7
TENGTH: 3647
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Best Local Similarity 90.0%;
Matches 18; Conservative
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TYPE: DNA
ORGANISM: rattus sp.
FEATURE:
                                                                                                                                                                                        CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
FILING DATE: 17-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/
APPLICATION NUMBER: US 07/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
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APPLICANT:
                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/171,389
                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94063
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1863 GCTGGGGGCAGTTGGGGGCC 1844
                               FILING DATE: 22-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fablan, Gary R.
                                                                                                    FILING DATE: 27-JUN-
                                                                                                                                                         FILING DATE: 23-DEC-1
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IIILE OF INVENTION: Sequence-Directed DNA Binding
IIILE OF INVENTION: Molecules, Compositions and Methods
NUMBER OF SEQUENCES: 641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Turin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Redwood City
STATE: CA
               NAME: Fabian, Gary REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
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REFERENCE/DOCKET NUMBER:
                                                                                       APPLICATION NUMBER:
                                                                                                                          APPLICATION NUMBER: US 07/723,618 FILING DATE: 27-JUN-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
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505 Penobscot Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Edwards, Cynthia A. Cantor, Charles R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
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                                                                                                                                                                                                                                                                                                                                                                                                                 Floppy disk
                                                                   UMBER: US 08/081,070
22-JUN-1993
                                                                                                                                                                            UMBER: US 07/996,783
23-DEC-1992
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               33,875
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4600-0175/G19P3
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Pred. No. 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0;
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JUNE 1415 324-088(
JELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 59,
SEQUENCE CHARACTERISTICS:
LENGTH: 50 base pairs
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Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
PRIOR APPLICATION DATA:
US 07/723,618
APPLICATION UNMBER: US 07/723,618
FILING DATE: 27-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: ESA130 GATY
NAME: ESA130 GATY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                             TELEFAX: (415) 324-0960 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/123,936
                                                                                                                                NAME: Fabian, Gary R.
REGISTRATION NUMBER: 33,875
REFERENCE/DOCKET NUMBER: 4600-0075.32/G19P2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 640
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genelabs Technologies, Inc.
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                                     SEQUENCE CHARACTERISTICS:
LENGTH: 50 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Screening Assay for the Detection of TITLE OF INVENTION: DNA-Binding Molecules
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Andrews, Beth M. APPLICANT: Turin, Lisa M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Edwards, Cynthia A. APPLICANT: Cantor, Charles R.
LENGTH: 50 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Redwood City
STATE: CA
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94.4%;
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Pred. No. 86;
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US-08-475-228A-590/c
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Best Local Similarity 94.4
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 590,
                                                                                                                                                                                                                                  PILING DATE: 23-DEC-1992

PRIOR APPLICATION DATA:

APPLICATION UNMBER: US 07/723,618

FILING DATE: 27-JUN-1991

PRIOR APPLICATION DATA:

APPLICATION UNMBER: US 08/081.070

FILING DATE: 05 08/081.070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                      TELEPHONE: (415) 324-0880
TELEPAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 590
SEQUENCE CHARACTERISTICS:
                                                                                                                            REFERENCE/DOCKET NUMBER: 34,444

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0886
                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06
FILING DATE: 17-SEP-1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Fry, Kirk E.
TITLE OF INVENTION: Sequence-Directed DNA Binding
TITLE OF INVENTION: Molecules, Compositions and M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORIGINAL SOURCE:
                                                                                                                                                                                                            APPLICATION NUMBER: US 08/081,070
FILING DATE: 22-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: CALLEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA
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HYPOTHETICAL:
MOLECULE TYPE: DI
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/0
                                           STRANDEDNESS:
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                                                          nucleic acid
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                                                                            50 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Andrews, Beth
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                             linear
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              DNA (genomic)
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94.4%;
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                                                                                                            590:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
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Pred. No. 86;
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; INDIVIDUAL ISOLATE: ; INDIVIDUAL ISOLATE: US-08-475-228A-590
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity Matches 17; Conserv
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                                                                                                                                                                                                                                                      TELEFAX: (650) 324-09
NEORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
TO THE TOTAL TOT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 20-DEC-1993
FRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/123,936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: APPLICANT:
                                                                                                                                                                                                                                                                                                                                          NAME: Brady, John F. 39,118
REGISTRATION NUMBER: 39,118
REFERENCE/DOCKET NUMBER: 46
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 08/081,070 FILING DATE: 22-JUN-1993 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
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TITLE OF INVENTION:
TITLE OF INVENTION:
                              MOLECULE TYPE: HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 27-JUN-1991
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APPLICATION NUMBER: US 08/171,389
                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
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ORIGINAL SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US US PRICE DATE: 17-SEP-1993
                                                                                              TOPOLOGY:
                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                                                                                                               TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/482,080A FILING DATE: 07-JUN-1995
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                                                                                                                                                                                      LENGTH:
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                                                                                                                                                    nucleic acid
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                                                                                                                                                                                         50 base pairs
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Turin, Lisa M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cantor, Charles R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                         DNA (genomic)
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                                                                                                                                                                                                                                                                                                                   324-0880
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Pred.
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No. 86
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PCT-US93-12388-590/c

; Sequence 590, Application PC/TUS9312388

; GENERAL INFORMATION:
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                                                                                                                                   PCT-US93-12388-590
                                                                                                                                                                                                                                                                                           NAME: Fabian, Gary R.
REGISTRATION NUMBER: 33,875
REFERENCE,DOCKET NUMBER: 4600-0175.41/G19PCT2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0860
TELEPAX: (415) 324-0860
INFORMATION FOR SEQ ID NO: 590:
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                                                                        Query Match
Best Local :
                                                          Matches
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APPLICATION NUMBER: US 08/123,936
FILING DATE: 17-SEP-193
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
                                                                                                                                                                          MOLECULE TYPE: DN
HYPOTHETICAL: NO
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTWARE: PATENTIA Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 23-DEC-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 505 Penobso
CITY: Redwood City
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                                                        Local Similarity
les 17; Conserv
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                                                                                                                                                                                                                                    STRANDEDNESS: single
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               ctgggcggagttgggggc 19
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                                                          Conservative
                                                                                                                                                                                                                      linear
                                                                                                                                                                                                       DNA (genomic)
                                                                      78.18;
94.48;
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94.4%;
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                                                                                                                                                Simian virus site 31)
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Pred. No. 86;
0; Mismatches
                                                                      Score 16.4;
Pred. No. 86;
                                                           Mismatches
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RESULT 9
US-09-371-774-66
; Sequence 66, Application US/09371774
; Patent No. 6242187
; GENERAL INFORMATION:
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Sequence 66, App...
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 17; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 212-391-0526
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 50130-B/JPW/AKC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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ADDRESSEE: Cooper &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Daniel J. Capon
APPLICANT: Christos John Petropoulous
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/790,963 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: New York
STATE: New Yor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
                                                                                                                                                                                                                                                                                                                                                                            33 CTGGGCGGAGTTAGGGGC
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                                                                                                                                   AL INFORMATION:

(AL INFORMATION:

APPLICANT: Daniel J. Capon

Christos John Petropoulous

Christos John Petropoulous

TITLE OF INVENTION: Compositions And Methods For

Determining Anti-viral Drug Sus-

Pasistance and Anti-viral Drug
                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper
COMPUTER READABLE FORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10036
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nucleic acid
                                                                                     ADDRESSEE: Cooper & Dunham LLP STREET: 1185 Avenue of the Ame:
                               COUNTRY: United States
                                                  STATE: New York
                                                                      CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New York
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1185 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            68 base pairs
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94.4%;
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Pred. No. 87;
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                                                                                         Americas
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TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 66:
US-09-371-774-66
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Patent No. 6046035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity Matches 17; Conserv
                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/09/106,182
FILING DATE: Herewith
CLASSIFICATION:
DATA:
APPLICATION UNMBER: US 60/051 053
APPLICATION UNMBER: US 60/051 053
APPLICATION UNMBER: US 60/051 053
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                                       TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 50130-F/JPW/CMR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0526
INFORMATION FOR SEQ ID NO: 66:
SEQUENCE CHARACTERISTICS:
LENGTH: 68 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                               REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
SEQUENCE CHARACTERISTICS:
LENGTH: 256 base pairs
                                                                                                                                                                        APPLICATION NUMBER: US 60 FILING DATE: 30-JUN-1997 ATTORNEY/AGENT INFORMATION: NAME: Brookes, A. Anders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Cardiotrophin-Like Cytokine NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Shi, Yanggu
APPLICANT: Ruben, Steve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Human
STREET: 9410 Key
CITY: Rockville
STATE: MD
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ZIP: 20850
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version#1.30
CURRENT APPLICATION NUMBER: US/09/371,774
APPLICATION NUMBER: US/09/371,774
FILING DATE: 10-Aug-1999
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT_INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: White, John P. REGISTRATION NUMBER: 28,678
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9410 Key West Ave
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94.48;
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Pred. No. 87;
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APPLICATION NUMBER: 60/055,953 FILING DATE: 1997-08-18 APPLICATION NUMBER: 60/055,950 FILING DATE: 1997-08-18

APPLICATION NUMBER: 60/0 FILING DATE: 1997-08-18 APPLICATION NUMBER: 60/0 FILING DATE: 1997-08-18

60/055,948 3-18 60/055,949

APPLICATION NUMBER: 60/055,723 FILING DATE: 1997-08-18

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; TYPE: nucleic; ; STRANDEDNESS: ; TOPOLOGY: line; ; MOLECULE TYPE: C US-09-106-182-24
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US-09-227-357-10/c
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CURRENT FILING DATE: 1999-01-08
EARLIER APPLICATION NUMBER: PCT/US98/13684
EARLIER FILING DATE: 1998-07-07
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,926
EARLIER APPLICATION NUMBER: 60/052,793
EARLIER FILING DATE: 1997-07-08
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,925
EARLIER APPLICATION NUMBER: 60/051,925
EARLIER APPLICATION NUMBER: 60/051,925
EARLIER FILING DATE: 1997-07-08
EARLIER FILING DATE: 1997-07-08
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Best Local Similarity 94.4
Matches 17; Conservative
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EARLIER
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EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,930
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,918
EARLIER FILING DATE: 1997-07-08
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EARLIER APPLICATION NUMBER: 60/051,931
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,932
EARLIER FILING DATE: 1997-07-08
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APPLICATION NUMBER: 60/051,928
EILING DATE: 1997-07-08
APPLICATION NUMBER: 60/055,722
EILING DATE: 1997-08-18
                                                                                                                                        APPLICATION NUMBER: 60/052,795
FILING DATE: 1997-07-08
                                                                                                                                                                                         FILING DATE: 1997-07-08
APPLICATION NUMBER: 60/052,733
FILING DATE: 1997-07-08
                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/051,920 FILING DATE: 1997-07-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 60/052,732 FILING DATE: 1997-07-08
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APPLICATION NUMBER: 60/052,803
FILING DATE: 1997-07-08
                                                                                               APPLICATION NUMBER: 60/051,919 FILING DATE: 1997-07-08
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94.4%;
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Pred. No. 90;
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: EARLIER APPLICATION NUMBER: 60/05!
: EARLIER FILING DATE: 1997-09-12
: NUMBER OF SEQ ID NOS: 672
: SOFTWARE: PATEENTIN Ver. 2.0
: SEQ ID NO 10
: LENGTH: 256
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-227-357-10
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US-09-106-182-18/c
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Best Local Similarity 94.4
Matches 17; Conservative
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EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,684
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,984
EARLIER FILING DATE: 1997-08-18
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PF385
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 18:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EARLIER APPLICATION NUMBER: 60/058,660 EARLIER FILING DATE: 1997-09-12
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EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,664
EARLIER FILING DATE: 1997-09-12
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                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM CC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Ruben, Stéve
TITLE OF INVENTION: Cardiotrophin-Like Cytokine
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/051,053
FILING DATE: 30-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Shi, Yanggu APPLICANT: Ruben, Stev
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       123 CTGGGCGGAGTTAGGGGC 106
                                                                                NAME: Brookes, A. Anders REGISTRATION NUMBER: 36,
                                                                                                                                                                                 CLASSIFICATION:
                                                                                                                                                                                                 APPLICATION NUMBER: FILING DATE: Herewi
                                                                                                                                                                                                                                                                                                                                                              STATE: MD
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CITY: Rockville
                                                                                                                                                                                                                                                                                                                               COUNTRY: US
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9410 Key West Ave
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94.48;
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Pred. No. 90;
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Best Local S
Matches 17
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В Ş

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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 271 base pairs
TYPE: nucleic acid
                                                                                                                         MOLECULE TYPE: DNA (genomic)
138 CTGGGCGGAGTTAGGGGC 121
               2 ctgggcggagttgggggc 19
                                               1 Similarity 94.4
17; Conservative
                                                           78.1%;
94.4%;
                                               ; Score 16.4; D; Pred. No. 90; 0; Mismatches
                                                                        DB 3;
                                                                         Length 271;
                                                  Indels
                                                  0;
                                                Gaps
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0;

Sequence 5, Application US/09227357 Patent No. 6342581 CURRENT APPLICATION NUMBER: US/09/227,357 TITLE OF INVENTION: 123 Human Secreted Proteins APPLICANT: Fischer et ER APPLICATION NUMBER: 60/052,803
ER FILING DATE: 1997-07-08
ER FILING DATE: 1997-07-08
ER FILING DATE: 1997-07-08
ER APPLICATION NUMBER: 60/051,931
ER FILING DATE: 1997-07-08
ER APPLICATION NUMBER: 60/051,932
ER FILING DATE: 1997-07-08
ER FILING DATE: 1997-07-08
ER APPLICATION NUMBER: 60/051,930
ER FILING DATE: 1997-07-08
ER APPLICATION NUMBER: 60/051,930
ER FILING DATE: 1997-07-08
ER FILING DATE: 1997-07-08
ER FILING DATE: 1997-07-08
ER FILING DATE: 1997-07-08
ER FILING DATE: 1997-07-08 ER APPLICATION NUMBER: 60/055,723
ER FILING DATE: 1997-08-18
ER APPLICATION NUMBER: 60/055,948
ER FILING DATE: 1997-08-18
ER APPLICATION NUMBER: 60/055,949
ER FILING DATE: 1997-08-18 ER APPLICATION NUMBER: 60/051,919
ER FILLING DATE: 1997-07-08
ER APPLICATION NUMBER: 60/051,928
ER FILLING DATE: 1997-07-08
ER APPLICATION NUMBER: 60/055,722
ER FILLING DATE: 1997-08-18 INFORMATION: FILING DATE: 1997-07-08
APPLICATION NUMBER: 60/052,733
FILING DATE: 1997-07-08
APPLICATION NUMBER: 60/052,795
FILING DATE: 1997-07-08 APPLICATION NUMBER: 60/052,793
FILING DATE: 1997-07-08
APPLICATION NUMBER: 60/051,925
FILING DATE: 1997-07-08 APPLICATION NUMBER: PCT/US98/13684 FILING DATE: 1998-07-07 APPLICATION NUMBER: 60/051,926 FILING DATE: 1997-07-08 APPLICATION NUMBER: 60/055,953 FILING DATE: 1997-08-18 APPLICATION NUMBER: 60/051,920 APPLICATION NUMBER: 60/051,918 FILING DATE: 1997-07-08 APPLICATION NUMBER: 60/051,929 FILING DATE: 1997-07-08 FILING DATE: 1999-01-

EARLIER FILING DATE: 1997-08-18 EARLIER APPLICATION NUMBER: 60/EARLIER FILING DATE: 1997-08-18

60/055,947

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; ORGANISM: Homo sapiens
US-09-227-357-5
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Best Local
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EARLIER
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EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EARLIER APPLICATION NUMBER: 60/0
EARLIER FILING DATE: 1997-99-12
EARLIER APPLICATION NUMBER: 60/0
EARLIER FILING DATE: 1997-09-12
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EARLIER FILING DATE: 1997-09-12
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EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/056,360
EARLIER FILING DATE: 1997-08-18
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TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/945,726
FILING DATE: 10-NOV-1997
CLASSIFICATION: 514
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: SERLUPI-CRESCENZI, Ottaviano APPLICANT: PEZZOTTI, Annarita TITLE OF INVENTION: II-6 ACTIVITY INHIBITORS NUMBER OF SEQUENCES: 6
                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: 202-628-5197
                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, ROGER L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: SEF
                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 419 Sevent
CITY: Washington
STATE: D.C.
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                                                           TELEPHONE:
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FILING DATE: 1997-08-18
APPLICATION NUMBER: 60/055,954
FILING DATE: 1997-08-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    E: BROWDY AND NEIMARK, P.L.L.C. 419 Seventh Street, N.W., Suite 300
                                                                                                                                                                                                                                                                                                                                                                                          USA
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; LENGTH: 356 base
; TYPE: nucleic ac
; STRANDENDESS: SI
; OPOLOGY: linear
; MOLECULE TYPE: CDN
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-945-726-1
                                                                                                                         ; TOPOLOGY: 1:
; MOLECULE TYPE:
US-08-822-982-1
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US-08-822-982-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 17; Conserv
                                           Query Match 78.3
Best Local Similarity 94.4
Matches 17; Conservative
                                                                                                                                                                                                                                 TELEFAX: 716-263-1600 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/032,468
FILING DATE: 06-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: BRAMAN, SUSAN J.
REGISTRATION NUMBER: 34,103
REFERENCE/DOCKET NUMBER: 21467/32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: CLL..
STREET: Nochester
CITY: New York
TATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                              TELEPHONE: 716-263-1636
                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: MOLECULE AND METHOD FOR IMPORTING DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                223 CTGGGCGGAGTTAGGGGC 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 60/013,863 FILING DATE: 22-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/822,982
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: NIXON, HARGRAVE, DEVANS & DOYLE LLE STREET: Clinton Square, P.O. Box 1051
                                                                                                                                                                     STRANDEDNESS:
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2 ctgggcggagttgggggc 19
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                                                                                                                                                                      nucleic acid
EDNESS: double
                                                                                                                                                                                                 372 base pairs
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z: DNA (genomic)
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94.48;
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                                           Score 16.4; D
Pred. No. 90;
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                                                                           Length 372;
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134 CTGGGCGGAGTTAGGGGC 151

Search completed: May 17, 2002, 16:06:13 Job time: 12747 sec

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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         98765432
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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length: 2000000000
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2: \SIDSI\gcgdata\geneseq\geneseqn-embl\Na1980.DAT: *
2: \SIDSI\gcgdata\geneseq\geneseqn-embl\Na1981.DAT: *
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4: \SIDSI\gcgdata\geneseq\geneseqn-embl\Na1983.DAT: *
4: \SIDSI\gcgdata\geneseq\geneseqn-embl\Na1983.DAT: *
5: \SIDSI\gcgdata\geneseq\geneseqn-embl\Na1985.DAT: *
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5: \SIDSI\gcgdata\geneseq\geneseqn-embl\Na1985.DAT: *
7: \SIDSI\gcgdata\geneseq\geneseqn-embl\Na1985.DAT: *
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9: \SIDSI\gcgdata\geneseq\geneseqn-embl\Na1990.DAT: *
10: \SIDSI\gcgdata\geneseq\geneseqn-embl\Na1990.DAT: *
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12: \SIDSI\gcgdata\geneseq\geneseq\geneseqn-embl\Na1991.DAT: *
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15: \SIDSI\gcgdata\geneseq\geneseq\geneseqn-embl\Na1991.DAT: *
16: \SIDSI\gcgdata\geneseq\geneseq\geneseqn-embl\Na1991.DAT: *
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24: \SIDSI\gcgdata\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\geneseq\genes
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Gapop 10.0 , Gapext 1.0
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Copyright (c) 1993 - 2000 Compugen Ltd
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    AAA94234
AAZ41353
ABA83111
AAH23086
AAC90467
AAH25134
AAX28161
AAV60839
AAZ61197
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Human testosterone
Human normal uteru
Apolipoprotein J o
Osteoarthritis tis
Human uncoupling p
Nucleotide sequenc
Rat Acid sensitive
Rat acid sensing i
cDNA encoding a ra
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ALIGNMENTS

AAA94234;

AAA94234 standard; DNA; 21

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Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene $\boldsymbol{\cdot}$ 31-AUG-2000. Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss Human testosterone-repressed prostate message-2 antisense oligo #10. WPI; 2000-533132/48. (UYBR-) UNIV BRITISH COLUMBIA 26-FEB-1999; 25-FEB-2000; 2000WO-US04875 WO200049937-A2 Homo sapiens. 12-JAN-2001 (first entry) ĭ Rennie PS, 99US-0121726. Miyake Н, Nelson Ç;

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RESULT 2
AAZ41353/c
ID AAZ413
AC AAZ
This invention describes novel cDNA sequences (A) highly expressed in cormal uterine tissue which can have anticancer and cytostatic activity cand can be used for gene therapy. (A) are used (i) for recombinant CC expression of polypeptides (B) and (ii) to isolate complete genes. (C (B) are used (i) to identify agents suitable for treatment of uterine cancer; (ii) directly for treating this form of cancer (including cypectific antibodies. (A) are identified by assembling ESTs (expressed sequence tags) from a particular tissue type before comparison of captrees to patterns. This allows a significantly longer fragment of the gene to be revealed, so should reduce the number of failures associated with the fact that ESTs from different libraries may represent confidence in a particular tissue. AAZ41325-Z41385
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New nucleic acid sequences expressed in normal uterine tissues, derived polypeptides, for treatment of uterine cancer and identification of therapeutic agents
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EST; expressed
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Pred. No. 8
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8.7;
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RESULT
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                      Detecting and identifying ovarian tumor, identifying increased risk for developing ovarian cancer, and determining effectiveness of ovarian cancer treatment, by measuring expression level of ovarian tumor marker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    immune response pathway; cell
membrane localised; secreted;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    epithelial tumour; cancer; diagnosis; prognosis; disease monitoring; identification; serous cystadenoma; borderline serous tumour; serous cystadenocarcinoma; mucinous cystadenocarcinoma; borderline mucinous tumour; endometrioid carcinoma; undifferentiated carcinoma; clear cell adenocarcinoma; cystadenofibroma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      represent the human uterine tissue invention which encode the protein AAY59838-Y59892.
                                                                                                                                                                                                                                                                                                                   Claim 23;
                                                                                                                                                                                                                                                                                                                                                                    gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ovarian tumour marker gene; human; overexpression;
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21; Conserv
                                                                                                                                                                                                                                                                                                                 Page 103;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DEPT HEALTH & HUMAN SERVICES.
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The invention relates to methods for diagnosing and prognosing ovarian tumours in an individual via the detection and measurement of the expression of ovarian tumour marker genes (ABA8301-ABA8312, ABA83180, ABA83181 and ABA83184) or segments thereof (ABA83123-ABA83169, ABA83179, ABA83181 and ABA83183). The methods of the invention are useful for detecting an ovarian tumour in a patient, for identifying an individual at increased risk for developing ovarian cancer, in prognostic tests for monitoring a patient in remission from ovarian cancer and in tests for monitoring disease status in a patient being treated for ovarian cancer. The methods can additionally be used to identify a particular tumour as the patient of the cancer of the ca

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ovarian tumour (i.e., an epithelial ovarian tumour selected

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AAH23086/c
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Best Local S
Matches 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              clear cell adenocarcinoma, cystadenofibroma, adenofibroma and Brenner tumour. The ovarian tumour marker genes of the invention were identified using SAGE (serial analysis of gene expression) and were found to be overexpressed in a broad variety of ovarian epithelial tumour cells relative to normal ovarian epithelial cells. The marker genes are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          implicated in immune response pathways, in the regulation of cell proliferation and in protein folding, and many of these are membrane-localised or secreted. In addition to their use as diagnostic and prognostic markers, the ovarian tumour marker genes or their encoded proteins may be used as therapeutic targets for the treatment and prevention of ovarian cancer. Sequences ABA83081-ABA83120, ABA83180, ABA83184 represent the ovarian tumour marker genes of
              Sequences AAH23071-23152 represent nucleic acid sequences derived from osteoarthritis tissues. The sequences are useful as probes and for the diagnosis or prognosis of mammalian osteoarthritis. The polynucleotides and polypeptides of the invention are useful for generating diagnostic reagents, as targets for small molecule drug development, generation of therapeutics, and cloning genes. Specific antibodies are used to generate enzyme linked immunosorbent assays for detection of osteoarthritis. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Osteoarthritis; infectious disorder; Crohn's disease; sepsis; human; wound healing; osteopathic; anti-arthritic, anti-inflammatory; vulnerary; antibacterial; antiallergic; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1405 GCTGGGCGGAGTTGGGGGCCT 1385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           serous cystadenoma, borderline serous tumour, serous cystadenocarcinoma mucinous cystadenoma, borderline mucinous tumour, mucinous cystadenoma, endometrioid carcinoma, undifferentiated carcinoma, cystadenocarcinoma, endometrioid carcinoma, undifferentiated carcinoma,
                                                                                                                                                                                                                          Substantially purified protein, polypeptide or their fragments, identify a biologically active compound or composition and trea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Osteoarthritis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAH23086 standard;
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                                                                                                                                                                       Claim
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                  (PHAA ) PHARMACIA CORP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              invention.
                                                                                                                                                                                                                                                                                        2001-451914/48
                                                                                                                                                                    Page 102-103; 144pp; English
                                                                                                                                                                                                              osteoarthritis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                           Vasanthakamur
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tissue-derived nucleic
can
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be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21
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Pred. No.
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                                                                                                                                                                                                                                                                                                                               Dotson
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treat osteoarthritis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 acid sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
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  or to
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  analyse
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RESULT 5
AAC90467/c
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Best Local S
Matches 21
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08-JUL-1999;
18-AUG-1999;
12-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            disease-modifying activity of osteoarthritis drugs. Other treatable using the nucleic acid sequences include atopic, and infectious disorders e.g. Crohn's disease and sepsis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1558 GCTGGGCGGAGTTGGGGGCCT 1538
                     encoding uncoupling proteins. The nucleotide sequences may be used for the detection of various disorders such as cancer, for chromosome identification, as chromosome markers and for numerous other diagnostic or research purposes. The uncoupling protein encoded by the nucleotide sequences may be used to treat disorders such as neural, immune, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal and proliferative disorders, wounds, infectious diseases, thrombosis, arthritis, and infertility.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cerebroprotective; neuroprotective, antibacterial; opthalmological; gastrointestinal; nephrotropic; gynaecological; vulnerary; thrombolytic; gene therapy; cancer; wound; infectious disease; thrombosis; arthritis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-MAR-2001
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                                                                                                                                                                                     Uncoupling proteins and nucleic acid sequences encoding them, useful for detecting, preventing and treating proliferative, neurological, immune system, cardiovascular and gastrointestinal disorders -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antirheumatic;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200061614-A2
                                                                                                                               The present sequence is one of eighteen isolated nucleotide sequences
                                                                                                                                                            Claim 1; Page 313-314; 343pp; English.
                                                                                                                                                                                                                                                                                                             (HUMA-) HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                           06-APR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  infertility;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             uncoupling
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      uncoupling protein; immunosuppressive; antiarthritic;
eumatic; antiproliferative; cardiant; vasotropic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     l Similarity
21; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               standard;
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                                                                                                                                                                                                                                                                                                              GENOME SCI INC
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99US-0142821.
99US-0149448.
99US-0164751.
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                                                                                                                                                                                                                                                                                    CA,
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                                                                                                                                                                                                                                                                                    Soppet
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Sequence

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737

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RESULT 6
AAH2514/c
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CC 21620
CC 21620
CC 21620
CC B01ce
CC C011
CC C01
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Query Match
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Matches 18
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Best Local
                                                                                                                                                                                    AAH25131-35 encode human alcohol dehydrogenase proteins, designated 21620, 33756, 21676, 21612 and 21615, respectively. Alcohol dehydrogenase polynucleotides and polypeptides are useful for treatment and diagnosis of disorders mediated by or related to alcohol dehydrogenase. They can be used for treating disorders of colon, brain, skin, heart, blood vessels, kidney, prostate, skeletal muscle, ovary, testis and epididymis, spleen, lung, liver, uterus and endometrium, T-cells, red cells, thymus, B cells, breast, thyroid, pancreas, small intestine, reduced platelet number, precursor T cell neoplasms, bone forming cells, and bone marrow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             prostate disorder; skeletal muscle disorder; ovary disorder; testis disorder; epididymis disorder; spleen disorder; lung disorder; liver disorder; uterus disorder; endometrium disorder; T-cell disorder; red cell disorder; thymus disorder; B cell disorder; breast disorder; thyroid disorder; pancreas disorder; small intestine disorder; chyroid disorder; pancreas disorder; small intestine disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2734
                                                                                                                    Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; alcohol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nucleotide sequence of human alcohol dehydrogenase 21612.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             reduced platelet number disorder; precursor T cell neoplasm;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  _
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        human alcohol dehydrogenase proteins, 21612, 21615, 21620, 21676, useful for treating psoriasis, tropical sprue, pancreatitis, r, osteomalacia, endometriosis, angina pectoris, embolism
     18;
                       Similarity
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                                                                                                                         2535
                                                                                                                                                                                                                                                                                                                                                                                                                                       Fig 15; 156pp; English.
     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
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                                                                                                                      BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         dehydrogenase; colon disorder; brain disorder;
heart disorder; blood vessel disorder; kidney
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/product=
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762..2018
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                    Score 16.8;
Pred. No. 4.
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Pred. No.
     Mismatches
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RESULT 8
AAV60839/C
ID AAV608
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                                                                                                                                                                                                                                                                                                        Query Match
Best Local S
Matches 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This sequence encodes an acid sensitive ion channel (ASIC) of the invention, isolated from rat dorsal root ganglion. Antisense ASIC DNA or RNA is useful in gene therapy for downgrading expression of ASIC protein, for pH mediated pain disorders e.g. in ischaemia. The vectors are useful for incorporating ASIC DNA or RNA for use in gene therapy. Proton-gated ion channel agonists and antagonists are identified using cells transformed with ASIC DNA by allowing interaction between the candidate substance and ASIC protein in the membrane, and measuring interaction and/or cell response. Partial agonists and antagonists can be identified by their ability to block the response of the cell to present in a solution of a given acid pH or any agonist. The hybridisation probes are useful for screening libraries for ASIC DNA or RNA.
                                                                                                                                                                                                               1824
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAX28161;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Acid sensitive ion channel (ASIC) for treatment of pH mediated pain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Akopian
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DB; AAY03186.
                                                                                                                                                                                                               GCTGGGGGGCCAGTTGGGGGGCCC
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                                                                                                                                                                                                                                                                                                           l Similarity
18; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                          655 A;
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Pred. No. 4.
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ion channel;
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                                                                                                                                                                                                                                                                                                                                                       Length
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                                                                                                                                                                                                                                                                                                           0;
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02-FEB-1999

(first entry)

AAV60839; AAV60839

standard;

DNA;

3562

ВP

Rat acid sensing ionic channel ASIC1A gene

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CC is designated Acid Sensing Tonic Channel (ASIC). This sequence CC represents the rat ASIClA gene. The sequence was isolated from a rat brain DNA library using a probe amplified by primers AAV60845-V60846. CC The protein can be used to screen for modulators of these channels, are gards nociception (pain) rather than taste. These compounds are used to treat or prevent pain associated with acidity (e.g. in cases of CC inflammation, ischaemia or some tumours) and as inhibitors of neurodegeneration caused by overexpression of the channels. Antibodies CC to the protein are used to detect the channels in tissues, and to act therapeutically as channel modulators. The nucleic acid can be used to generate transgenic, particularly knockout, animals for studying CC ASIC-related disorders, also for gene therapy. The channel protein, CC asic (ant)agonists, can be used to treat or prevent cerebral CC enurodegenerative conditions (e.g. Alzheimer's, Parkinson's or Huntington's diseases, amyotrophic lateral sclerosis or cerebellar
                                                                                   Query Match
Best Local Similarity
Matches 18; Conser
  1778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This sequence represents the gene encoding a rat neuronal cationic channel that is sensitive to amiloride and activated by protons and is designated Acid Sensing Ionic Channel (ASIC). This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 12; Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Protein comprising proton-sensitive neuronal channel - useful for screening for analgesics and for treating neurodegeneration
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     W09835034-A1
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11-FEB-1997;
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                                                                                                                                                                                              Sequence
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                  1 gctgggcggagttgggggcc
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GCTGGGGGCAGTTGGGGGCC
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                                                                                     Conservative
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Lingueglia
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                                                                                                                                                                                              BР;
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97FR-0001574.
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/note= "acid sensi
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                                                                                 Score 16.8; DB 19;
Pred. No. 4.2e+02;
0; Mismatches 2;
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primer;
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                                                                                                                             Length
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                                                                                                                             3562;
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                                                                                 Gaps
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Qγ DЬ

(first entry)

0

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AAZ61197/c
ID AAZ61197 standard; cDNA; 35
AC AAZ61197;
XX
AC AAZ61197;
XX
DT 30-MAY-2000 (first entry)
XX
CDNA encoding a rat acid-se
XX
Neuronal acid-sensitive cat
KW proton-gated cation channel;
KW proton-gated cation transponer
T cDS /*tag= a /product= /protocion
XX
PD 17-FEB-2000.
XX
PP 05-AUG-1998; 98US-009540
PX
PF 05-AUG-1998; 98US-009540
PX
PF 05-AUG-1998; 98US-009540
PA (CNRS) CNRS CENT NAT RECH
XX
PP 05-AUG-1998; 98US-009540
PA (CNRS) CNRS CENT NAT RECH
XX
PP 05-AUG-1998; 98US-009540
PA (CNRS) CNRS CENT NAT RECH
XX
PP 05-AUG-1998; 98US-009540
PA (CNRS) CNRS CENT NAT RECH
XX
PP 05-AUG-1998; 98US-009540
PT 05-AUG-1998; 99WO-IB014
PT 05-AUG-1998; 99WO-IB014
PT 05-AUG-1998; 99WO-IB014
PT 05-AUG-1998; 99WO-I
AAV60842/C
ID AAV608
XX
AC AAV608
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DT 02-FEB
XX
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            a rapidly inactivating sodium-selective and a sustained component. The channels are sensitive to amiloride. The specification describes ASIC3 proteins, which are expressed in the sensory neurons but not in the brain. The cation transport channel proteins can be used in methods to identify substances capable of modulating the activity of cation transport channels. The human ASIC3 protein is also an acid sensor, and might play an important role in the detection of lasting pH changes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present sequence encodes a rat neuronal acid-sensitive cation channel 1A (ASICIA) protein. The protein is a proton-gated cation channel subunit that has biphasic desensitisation kinetics with both
                                                                                                                                                                                                                                                                       1778 GCTGGGGGCAGTTGGGGGCC
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                            02-FEB-1999
                                                                             AAV60842;
                                                                                                                                   AAV60842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 63-66; 84pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel human cation transport protein, Acid Sensing Ionic Channel 3 used to identify substances capable of modulating cation transport channel activity -
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                                                                                                                                                                                                                                                                                                      1 gctgggcggagttgggggcc
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18; Conser
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ies 2;
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RESULT 11
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Best Local Similarity
                                                                                                                                                                                                                                                         modulators of these channels, particularly to identify compounds that modulate perception of acidity, as regards nociception (pain) rather than taste. These compounds are used to treat or prevent pain associated with acidity (e.g. in cases of inflammation, ischaemia or some tumours) and as inhibitors of neurodegeneration caused by overexpression of the channels. Antibodies to the protein are used to detect the channels in tissues, and to act therapeutically as channel modulators. The nucleic acid can be used to generate transgenic, particularly knockout, animals for studying ASIC-related disorders, also for gene therapy. The channel protein, or its (ant)agonists, can be used to treat or prevent cerebral neurodegenerative conditions (e.g. Alzheimer's, Parkinson's or Huntington's diseases, amyotrophic lateral sclerosis or cerebellar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rat; neuronal cationic channel; amiloride; proton; ASIC; brain; probe; acid sensing ionic channel; hybridisation; primer; PCR; amplification; modulator; acidity; nociception; pain; taste; inflammation; ischaemia; tumour; cerebral neurodegeneration; transgenic animal; knockout animal; gene therapy; Alzheimer's; Parkinson's; Huntington's; disease; amyotrophic lateral sclerosis; cerebellar ataxia; ds.
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                AAZ61200
                                                                                       1863
                                                                                                                                                                                                                                                                                                                                                                                                                                      This sequence represents the gene encoding a rat neuronal cationic channel that is sensitive to amiloride and activated by protons and is designated Acid Sensing Ionic Channel (ASIC). This sequence represents the rat ASICIB gene. The protein can be used to screen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 15;
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Waldmann R,
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11-FEB-1997;
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97FR-0001574.
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                                                                                                                                                                                                                                                                                                 The present sequence encodes a rat neuronal acid-sensitive cation channel 1B (ASICIB) protein. The protein is a proton-gated cation channel subunit that has biphasic desensitisation kinetics with both a rapidly inactivating sodium-selective and a sustained component. The channels are sensitive to amiloride. The specification describes ASIC3 proteins, which are expressed in the sensory neurons but not in the brain. The cation transport channel proteins can be used in methods to identify substances capable of modulating the activity of cation transport channels. The human ASIC3 protein is also an acid sensor, and might play an important role in the detection of lasting pH changes
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                                                                                                                                                                                                                                                                  Sequence 3647
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                                              08-FEB-2001
                                                                                             AAC75317 standard;
                        Human ORFX
                                                                     AAC75317;
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DB; AAY69178.
                                                                                                                                                         GCTGGGGGCCAGTTGGGGGCC 1844
                     ORF872 polynucleotide sequence SEQ ID NO:1743.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Page 73-76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cation transport protein, Acid Sensing Ionic Channel 3 us substances capable of modulating cation transport channel \boldsymbol{x}
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                                                                                                                                                                                                                                                                  BP; 895 A; 853 C;
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Human;

open

reading frame; ORFX; detection; cytostatic; hepatotropic;

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CC which represent the human ORFX open reading frames 1 to 3161. The ORFX csequences have activities such as: cytostatic; hepatotropic; vulnerary; CC antiporiatic; antiparkinsonian; nootropic; hemotoropic; vulnerary; CC antiporiatic; antiparkinsonian; notropic; humanosuppressant; cardiant; thrombolytic; compulant; vasotropic; anticonvulsant; antiarthritic; immunosuppressive; antiabetic; hypotensive; dermatological; immunosuppressive; CC antiinflammatory; antibacterial; antiviral; antifungal; antirheumatic; CC antiinflammatory; antibacterial; antiviral; antifungal; antirheumatic; CC antithyroid; and antianaemic. The sequences can be used for determining CC the presence of or predisposition to, or preventing or treating CC pathological conditions associated with an ORFX associated disorder. The cucleic acids can be used to express ORFX proteins in gene therapy CC vectors. The proteins and nucleic acids may be used to treat cancers, CC proliferative disorders, neurodegenerative disorders, osteoarthritis, CC distributions and nucleic acids may be used to treat cancers, CC proliferative disorders, neurodegenerative disorders, osteoarthritis, CC distributions, cholesterol esters storage, systemic lupus crythematosus, severe combined immunodeficiency (SCID), AIDS, viral, CC allergles, aplastic anaemia, burns, wounds, bone and cartilage damage, CC coagulation; to inhibit thrombosis; and as a contraceptive.
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Best Local Similarity
Matches 18; Conser
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02-APR-1999;
05-APR-1999;
30-MAR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4121 BP;
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                                                      ctgggcggagttgggggcct 21
ctgagcggagttgggagcct 2538
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99US-0127728.
2000US-0540763.
                                                                                                                                                                                                              Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            818 A; 1186 C; 1260 G;
                                                                                                                                                                                                                                                    90.0%;
                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                         Score 16.8;
Pred. No. 4
                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                    ; DB 21;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            T; 0 other;
                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                          Length 4121;
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RESULT 1
AAS28620
 11-JUL-2000;
26-JUL-2000;
26-JUL-2000;
14-AUG-2000;
16-SEP-2000;
17-AUG-2000;
18-SEP-2000;
19-SEP-2000;
10-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; respiratory antigen; respiratory disorder; throat disorder; lung disorder; nose disorder; lung cancer; gene therapy; cytostati anti allergic; anti asthmatic; anti inflammatory; olfactory; respiratory active; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAS28620 standard; DNA; 14654
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Genomic sequence #460 encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-NOV-2001
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19-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-JAN-2001;
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               2000US-0226681.
2000US-0227182.
2000US-0227182.
2000US-0227009.
2000US-0229343.
2000US-0229344.
2000US-0229344.
2000US-0229345.
2000US-0229345.
2000US-0229345.
2000US-023945.
2000US-023945.
2000US-0239437.
2000US-0239437.
2000US-0239437.
2000US-0239437.
2000US-0239437.
2000US-0231244.
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2000US-0225270.
2000US-0225447.
2000US-0225758.
2000US-0225758.
2000US-0225759.
2000US-0225759.
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2000US-0218290.
2000US-0220963.
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2000US-0217487
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2000US-0215135
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for novel human respiratory antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cytostatic;
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2000US-0235484
2000US-0235834
2000US-0235836
2000US-0235327
2000US-0236367
2000US-0236369
2000US-0236369
2000US-0236370
2000US-0236370
2000US-0237037
2000US-0237033
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2000US-0232081.
2000US-0231968.
2000US-0232397.
2000US-0232398.
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2000US-0232401.
2000US-0233063.
                                           2000US-0249214

2000US-0249215

2000US-0249216

2000US-0249217

2000US-0249217

2000US-0249218

2000US-024924

2000US-024924

2000US-024924

2000US-024924

2000US-024924
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2000US-0244617
2000US-0246474
2000US-0246475
2000US-0246476
2000US-0246477
2000US-0246477
2000US-0246477
2000US-0246523
2000US-0246524
2000US-0246526
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2000US-0246528
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2000US-0246613
2000US-0246613
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2000US-0246613
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2000US-0239935.
2000US-0239937.
2000US-0240960.
2000US-0241221.
2000US-0241785.
2000US-0241786.
2000US-0241786.
2000US-0241786.
2000US-0241808.
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2000US-0234997.
2000US-0234998.
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2000US-0233065.
2000US-0234223.
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2000US-0249212.
2000US-0249213.
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2000US-0249210
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                                                                                                                                                                                                                                                                                                                          QΥ
                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention relates to the isolation of novel human crespiratory antigens (AAU17685-AAU17975), and cDNA and genomic sequences encoding for these polypeptides. The sequences of the invention are useful for preventing, treating and/or prognosing disorders (e.g. vocal cord paralysis, tonsillitis, and laryngitis), clung disorders e.g. pneumonia, allergic disorders e.g. asthma, pleurisy, cystic fibrosis, emphysema, nose disorders and cancers of the respiratory tissues e.g. lung cancer. The polynucleotide sequences of the invention are useful in gene therapy and antisense therapy. Chaman respiratory antigens.

Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at fire, wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local S
Matches 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17.NOV-2000
01-DEC-2000
01-DEC-2000
05-DEC-2000
05-DEC-2000
05-DEC-2000
06-DEC-2000
06-DEC-2000
08-DEC-2000
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08-DEC-2000
08-DEC-2000
08-DEC-2000
                                                                       DNA protein-binding assay; test sequence; screening sequence; promoter; target; TATA box; Herpes Simplex Virus; HSV; origin of replication; UL9; transcription factor; TFIID: ds.
                                                                                                                                                                                                                                                                                                  2043
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Isolated polypeptide for treating, preventing and/or prognosing disorders related to the respiratory system including respiratory cancers and also for testing and detection e.g. diagnosis - \frac{1}{2}
                  WO9414980-A
                                                                                                                                                                                                                         AAQ69840 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure;
                                              Synthetic.
                                                                                                                                    Simian virus 40 T/t late (start site 31),
                                                                                                                                                                06-MAR-1995
                                                                                                                                                                                             AAQ69840;
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 14654 BP; 2492 A; 4400 C; 4798 G; 2964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (HUMA-) HUMAN GENOME
                                                                                                                                                                                                                                                                                                                                                       Local Similarity hes 18; Conserv
                                                                                                                                                                                                                                                                                                               1 gctgggcggagttgggggcc
                                                                                                                                                                                                                                                                                               gctgggcggagcagggggcc 2062
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2000US-0250391
2000US-0250391
2000US-0251030
2000US-02517030
2000US-0256719
2000US-0251479
2000US-0251866
2000US-0251869
2000US-0251869
2000US-0251989
2000US-0251989
2000US-0251989
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2000US-0251989
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                                                                                                                                                              (first entry)
                                                                                                                                                                                                                         DNA;
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                                                                                                                                                                                                                                                                                                                                                                     80.0%;
90.0%;
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                                                                                                                                                                                                                                                                                                                                                         Score 16.8; DB 22;
Pred. No. 4.1e+02;
0; Mismatches 2;
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                                                                                                                                    target region
                                                                                                                                                                                                                                                                                                                                                                                     22;
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0;

Gaps

0;

27-SEP-2000
27-SEP-2000
27-SEP-2000
29-SEP-2000
29-SEP-2000
29-SEP-2000
29-SEP-2000
20-CCT-2000
20-CCT

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RESULT 15
AAT64302/C
ID AAT643
XX AAT643
AC AAT643
XX DAT643
XX DUPLex
KW TFIID;
KW Cancer
XX Cancer
XX US5578
XX US5578
XX US5578
XX US5578
XX US5578
XX US5578
XX CANCER
XX US5578
XX US5578
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XX US5578
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A DNA protein-binding assay is provided, useful for screening Clibraries of synthetic or biological cpds. for their ability CC to bind DNA test sequences. The assay is versatile in that any CC number of test sequences can be tested by placing the test sequence can discent to a defined protein-binding screening sequence. Binding CC of mols to these test sequences changes the binding characteristics CC of the protein mol. to its cognate binding sequence. When such a mol. CC binds the test sequence, the equilibrium of the DNA:protein complexes CC is disturbed, generating changes in the concentration of free DNA probe. CC one application of this method is to eucaryotic general transcription CC factors (e.g. TFIID), where the target region is typically selected CC from DNA sequences adjacent to the binding site for the eucaryotic the sequences in AAQ69251-731 and AAQ69250 correspond to promoter cC targets (typically, TATA box-contg, sites) for human genes and the CC angets (typically, TATA box-contg, sites) for human genes and the CC interaction may be used for screening purposes, e.g. the Herpes Simplex CC Virus (HSV) origin of replication and UL9 (see AAQ69851-52, AAQ69865 and CC CAAQ66981) origin of replication and UL9 (see AAQ69851-52, AAQ69865 and CC CAAQ66981)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                 Duplex DNA; target region; binding characteristic; DNA binding protein;
TFIID; transcription factor; binding site; inhibition; enhance;
cancer; inherited genetic disorder; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence-directed DNA-binding molecules - useful in pharmaceuticals and as molecular reagents
                                                                                                                                                                                                                 SV40 T/t late (start site 31) TFIID binding site.
                                                                                                                                                                                                                                                   17-MAR-1997
                                                                                                                                                                                                                                                                                                                      AAT64302 standard; DNA; 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 28; Page 507; 587pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1994-234711/28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23-DEC-1992;
17-SEP-1993;
                 27-JUN-1991;
                                                    26-NOV-1996
                                                                                                                  Rhesus macaque
                                                                                                                                                                                                                                                                                      AAT64302;
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                                                                                                                                                                                                                                                                                                                                                                                                       CTGGGCGGAGTTAGGGGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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                                                                                                                                                                                                                                                  (first entry)
                                                                                                                  polyoma virus
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93US-0123936.
                   9108-0723618
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     78.1%;
94.4%;
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                                                                                                                                                                                                                                                                                                                      ВÞ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 16.4; DB 15;
Pred. No. 6.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       50;
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Qy

Query Match Best Local Matches

al Similarity 94. 17; Conservative

78.18; 94.48;

0; Score Pred.

Mismatches

16.4; DB 18; No. 6.4e+02;

DB 18;

Length Indels

0;

Gaps

0.

B

20

Search completed: May 17, Job time: 7049 sec

2002, 16:13:57

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CC as target regions in the method of the invention. The method for CC as target regions in the method of the invention. The method for CC DNA comprises contacting the duplex DNA with a small molecule which CC DNA comprises contacting the duplex DNA with a small molecule which CC DNA comprises contacting the duplex DNA with a small molecule which CC DNA comprises contacting the duplex DNA with a small molecule which CC diversapping by more than 4 bp, a binding site for a DNA-binding protein. The small molecule is added at a concentration effective to alter the CC binding of the DNA binding protein, pref: TFIID, to its binding site on CC the duplex DNA. The binding of the small molecule may inhibit or CC compounds isolated using this method are potentially useful as CC therapeutic agents for treatment of any disease which involves a Specific DNA sequence, e.g. cancer, or inherited genetic disorders etc. CC The method is suitable for screening large biological or chemical CC ilbraries and allows determination of sequence-specific and relative CC affinities of known DNA-binding agents for different DNA sequences. CC The design of these duplex DNA's allows a single DNA:protein interaction CC DNA used for screening sequence-specific, or preferential, DNA binding CC proteins that recognise almost any possible sequence (see also AAT49539-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-DEC-1993;
27-JUN-1991;
23-DEC-1992;
17-SEP-1993;
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                       The sequences given in AAT63713-4312 represent duplex DNA's which act as target regions in the method of the invention. The method for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 6; Column 401; 264pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Altering binding characteristics of DNA binding proteins to duplex DNA - by attaching specific small cpd. to target region close to the protein's binding site, useful in treatment of viral disease, cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Andrews
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  50
  BP;
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91US-0723618.
92US-0996783.
93US-0123936.
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A;
26 C;
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  other;
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Post-processing: Minimum Match 0%
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                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                 Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       seq length: 0
seq length: 2000000000
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              Query
Match Length DB
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                                                                                                                                  May 17, 2002, 16:04:32; Search time 1959.41 Seconds (without alignments) 224.280 Million cell updates/sec
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Sequence 29 from Patent WO9954353.
AX014321
AX014321.1 GI:10040675
                            Human nucleic acid sequences of normal uterus tissue Patent: WO 9954353-A 29 28-0CT-1999;
SCHMITT ARMIN (DE); SPECHT THOMAS (DE); DAHL EDGAR (DE); HINZMANN BERND (DE); ROSENTHAL ANDRE (DE); METAGEN GES FUER GENOMFORSCHUN (DE); PILARSKY CHRISTIAN (DE)
Location/Qualifiers
1. 975
                                                                                                                    Schmitt, A., Specht, T., Dahl, E., Hinzmann, B., Rosenthal, A. and Pilarsky, C.
                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 975)
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AC105186 Homo sapi
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AC035874 Homo sapi
AC025579 Mus muscu
AC035875 Homo sapi
D10616 Pig gene fo
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M74816 Human sulfa
AX302541 Sequence
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AJ006519 Rattus

PAT 07-SEP-2000

Minimum DB Maximum DB

Scoring table:

Title: Perfect score:

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Database

Result No.

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Human gliomas and epileptic foci express high levels of a mRNA related to rat testicular sulfated glycoprotein 2, a purported marker of cell death
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Danik, M., Chabot, J.G., Mercier, C., Benabid, A.L., Chauvin, C.,
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LTRKYRELLKSYQWKMLWTSSLLEQLNEQFNWVSRLANLTQGEDQYYLRVTTVASHTS
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AX302541
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1 (bases 1 to 1512)
de Silva-N-V., Harmony,J.A., Stuart,W.D., Gil,C.M. and Robbins,J. Apolipoprotein J: structure and tissue distribution
Blochemistry 29 (22), 5380-5389 (1990)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21;
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Human apolipoprotein J mRNA, complete
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                  HEAQQAMDIHFHSPAFQHPPTEFIREGDDDRTVCREIRHNSTGCLRMKDQCDKCREIL
SVDCSTNNPSQAKLRRELDESLQVAERLTRKYNELLKSYQMKMLNTSSLLEQLNEQFN
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VGRQLEEFLNGASSPYYEMMOGRIDSLLENDRGOTHMLDVMQDHFSRASIIDELFGD
RFFTREPQDTYHYLPFSLPHRRPHFFFPKSRIVRSLMPFSPYEPLNFHAMFQPFLEMI
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18. .1268
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/db_xref="taxon:9606"
461 c 387 g 28
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/codon_start=1
                                                                                                                                                                                                                                                                                  /gene="APOJ"
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/db_xref="taxon:9606"
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, cDNA to mRNA, clone lambda[1-3].
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           associated with sperm maturation, apoptosis and neurodegeneration Eur. J. Biochem. 221 (3), 917-925 (1994)
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llarity 100.0%;
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'gene="ApOJ"

/product="apolipoprotein J alpha-subunit"

600..1265

/gene="APOJ"
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                                                                                                                                                                                                                                                                                                                                     /gene="TRPM-2"
53, 1400
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/db_xref="G1:339973"
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NETMMALWEECKPCLKQTCMKEYARVCRSGSGLVGRQLEEFLNQSSPFYFWMNGDRID
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461 c 387 g 286 t
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TSDSDVPSGVTEVVVKLFDSDPITVTVPVEVSRKNPKFMETVAEKALQEYRKKHREE"
                                                                                                                                                                                              SLLENDRQQTHMLDVMQDHFSRASSIIDELFQDRFFTREPQDTYHYLPFSLPHRRPHFFPKSRIVRSLMPFSPYEPLNFHAMFQPFLEMIHEAQQAMDIHFHSPAFQHPPTEFIR
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/db_xref="taxon:9606"
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This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 4502904. Location/Qualifiers
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Gunaratne, P.H., Garcia, A.M., Lu, X., Huly
Yoon, V.S., Kowis, C.R., Lawrence, S., Mart
Richards, S., Gibbs, R.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (19-DEC-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA Sequencing by: Baylor College of Medicine Human Genome Sequencing Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
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Mammalia; Eutheria;
1 (bases 1 to 1658)
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/translation="MMKTLLLFVGLLLTWESGOVLGDOTVSDNELQEMSNQGSKYVNK EIQNAVNGVKQIKTLLEKTNEERKTLLSNLEERKKKKEDALWETRESETKLKELPGVC NETMMALWEECKPCLKQTCMKFYARVCRSGSGLVGRQLEEFLNOSSPFYFMMKDDRID SLLENDRQQTHMLDVWDDHFSRASSIIDELFQDRFFTREDQDTYHYLFFSLPHRRPHFFFFKSRIVRSLMPFSPYEPLNFHAMFQPFLEMIHEAQQAMDIHFHSPAFQHPPTEFIR EGDDDBFTVCREIRHNSTGCLRWKDQCDKCREILSVDCSTNNPSQKLLRELDESLQVA ERLTRKYNELLKSYQMKMLNTSSLLEQLNEQFMVSRLANLTQGEDQYYLRETDESLQVA ERLTRKYTEVVKLFDSDFTVTVPVEVSRKNPKFMETVAEKALQEYRKHREE" TSDSDVPSGVTEVVKLFDSDFTVTVPVEVSRKNPKFMETVAEKALQEYRKHREE" 3 10 t
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/protein_id="AAH19588.1"
/db_xref="GI:18043615"
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/clone_lib="NCI_CGAP_Brn67"
/lab_host="DH10B"
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/db_xref="LocusID:1191"
/db_xref="Laxon:9606"
/clone="MCC:24903 IMAGE:4915444"
/tissue_type="Brain, anaplastic of the control of th
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Muzny, D.M.,
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REFERENCE
AUTHORS
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Submitted (17-MAR-1989) Kirszbaum L., The University
The Preclinical Centre, School of Veterinary Science,
Victoria 3052, Australia
2 (bases 1 to 1676)
Kirszbaum, L., Sharpe, J.A., Murphy, B., d'Apice, A.J., Chirszbaum, L., Sharpe, J.A., Murphy, B., d'Apice, A.J., Chiraland, C., Chiraland,
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(bases 1 to 1676)
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/translation="MMKTLLLFVGLLLTWESGQVLGDQTVSDNELQEMSNQGSKYVNK
EIQNAVNGVKQIKTLIEKTNEERKTLLSNLEEAKKKKEDALNETRESETKLKELPGVC
                                                                                       /product="mature alpha-chain (AA 205-427)" 1622. .1627
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EGDDDRTVCREIRHNSTGCLRMKDQCDKCREILSVDCSTNNPSQAKLRRELDESLQVA
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SLLENDRQQTHMLDVMQDHFSRASSIIDELFQDRFFTREPQDTYHYLPFSLPHRRPHF
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/db_xref="GI:30251"
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                               'note="beta-chain"
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           Tissue Procurement: David N. Louis, M.D.
CDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genome
                                                                                                                                      Submitted (10-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
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                                                                          Email: cgapbs-r@mail.nih.gov
                                                                                        NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
                                                                                                                                                                                       Strausberg, R.
Direct Submission
                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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RESULT 10
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Contact: villalon@bcm.tmc.edu.
Villalon, D.K., Luna, R.A., Hale, S.M., Hulyk,
A.M., Holloway, M., Telford, B, Hodgson, A., B
Muzny,D.M., Gibbs,R.A.
                                                                                                                                                                                                                                       Eukaryota; Metazoa;
Mammalia; Eutheria;
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                                                                                                                                                            Young,P.E., Augustus,M., Carter,K.C., Ebner,R., Endress,G., Horrigan,S., Soppet,D.R. and Weaver,Z.
Cancer gene determination and therapeutic screening using signature
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/protein_id="AAH10514.1"
/db_xref="GI:14714741"
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/clone_lib="NCI_CGAP_Brn64"
/lab_host="DH10B"
             /organism="Homo sapiens"
/db_xref="taxon:9606"
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/clone="mGC:18080 IMAGE:4150452"
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/db_xref="LocusID:1191"
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                                  Molecular characterization of human TRPM-2/clusterin, a gene associated with sperm maturation, apoptosis and neurodegener. Eur. J. Biochem. 221 (3), 917-925 (1994)
                                                                                                                            Genomic organization and expression of the gene, a gene implicated in apoptosis J. Biol. Chem. 268 (7), 5021-5031 (1993)
                                                                                                                                                                                                                                                                                                       Human TRPM-2 protein M63379
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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/db_xref="taxon:9606"
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                                                                                                            Unpublished (1993)
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Partial mucleotide sequence of th
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3146. .3151
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M63376.1:1021. 7.169,M63377.1:155. .325,M63378.1:308. .719,
M63378.1:1247. .1351,995. .1224,2362. .2537,2745. .2998)
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FFPKSRIVRSLMPFSPYEPLNFHAMFQPFLEMLHEAQQAMDIHFNSPARQHPPTEFIR
EGDDDRTVCREIRHNSTGCLNMKDQCDKCREILSVDCSTUNPSQAKLRRELDESLQVA
ERLTRKYNELLKSYQWKMLNTSSLLEGLNEQFWWVSRLANLTQGEDQYYLRVTTVASH
TSDSDVPSGYTEVVVKLFDSDPITVTVPVEVSRKNPKFMETVAEKALQEYRKKHREE"
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                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 18745). Birren,B., Linton,L., Nusbaum,C. and Lander,E. Homo sapiens chromosome 8, clone RP11-509E2 Unpublished
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21; Conserv
Jrand-Pierre,κ., --
Howland,J.C., Iliev,I., Johnson,κ., ο
Γεροραμέ,Κ., Lamazares,R.,
                                         Grand-Pierre, N., Grant, G., Hagos, B.,
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/gene="SP40,40"
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/db_xref="GI:338305"
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join(520. .931,1460. .1564,5852.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /gene="SP40,40"
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     Johnson, R., Jones, C., Kar
Lamazares, R., Landers, T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
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                                         Heaford, A., Horton, L.,
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                           Kann, L.,
       ln,L., Karatas,A.,
Lehoczky,J.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (07-MAR-2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA On Jan 19, 2001 this sequence version replaced gi:8901239. All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997) http://ftp.genome.washington.edu/RM/RepeatMasker.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Quality coverage: 8.9 in Q20 bases; agarose-fp Quality coverage; 8.3 in Q20 ba.

NOTE: This is a 'working draft' sequence. It currently consists of 7 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Web site: http://www-seq.wi.mit.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Center: Whitehead Institute/ MIT Center for Genome Research Center code: WIBR
                                                                                                                                                                                                                                                                                                                                                                                                                          65514 112793: courty - 100 bp
112794 112893: gap of 100 bp in length
112894 150031: contig of 37138 bp in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20279 20378: gap of 100 bp
20279 35742: contig of 15364 bp in length
35743 35842: gap of 100 bp
35943 65413: contig of 29571 bp in length
65414 65513: gap of 100 bp
65514 112793: contig of 470 bp in length
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150132 187453: contig of 37322 bp in length
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 17773: contig of 17773 bp in length
17774 17873: gap of 100 bp
17874 20278: contig of 2405 bp in length
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                                                    vector_side:left"
                                                                                       clone_end:SP6
                                                                                                                                              ∕clone≖"RP11-509E2"
∕clone_lib≔"RPCI-11 Human Male BAC"
1. .17773
                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
/db_xref="taxon:9606"
/note="assembly_fragment"
                                                                                                            note="assembly_fragment
                                                                                                                                                                                                                                                              /chromosome="8"
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FEATURES

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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (06-FEB-2002) Genome Analysis, Institute of Molecular Biotechnology, Beutenberstr. 11, Jena, Thuringia 07745, Germany On Feb 6, 2002 this sequence version replaced gi:14389409.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 (bases 1 to 234431 Wen,G. and Platzer,M. Direct Submission
Sequence Quality Assessment:
This entry has been annotated with sequence quality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (04-OCT-2000) Genome Analysis, Institute of Molecular Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany (bases 1 to 234431)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Blechschmidt, K., Jandrig, B., Menzel, U., Schilhabel, M.B.,
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1 (bases 1 to 234431)
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HTG; HTGS_FULLTOP; HTGS_ACTIVEFIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unpublished
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                                                                                            Center project name: H319
Center clone name: SCb-212a3
Center clone name: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Web site: http://genome.imb-jena.de/
Contact: gscj-submit@genome.imb-jena.de
------ Project Information
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65514. .112793
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43372 c 44058 g 47545 t
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clone_end:T7
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150132. .187453
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35843. .65413
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Pred. No. 15;
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Wen,G., Taudien,S. and Rosenthal,A.
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```

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estimates computed by the Phrap assembly program.
All manually edited bases have been reduced to quality zero.
Quality levels above 40 are expected to have less than
1 error in 10,000 bp.
Base-by-base quality values are not generally visible from the
Genbank flat file format but are available as part
of this entry's ASN.1 file.

FEATURES
Location/Qualifiers
1. 234431
1. 234431
1. 234431
2. Corganism-"Homo sapiens"
//db_xref="taxon:9606"
//chromosome="8"
//clone="%Cb-212e3"
BASE COUNT
62993 a 56257 c 55890 g 59291 t
ORIGIN

Ouery Match
Best Local Similarity 100.0%; Score 21; DB 9; Length 234431;
Bast Local Similarity 100.0%; Pred. No. 14;
Best Local Similarity 100.0%; Pred. No. 14;
Butches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 gctggggggtttgggggcct 21
Db 26443 GCTGGGCGAGTTGGGGGCCT 26423

Search completed: May 17, 2002, 16:04:42
Job time: 16142 sec
```